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Switchcraft



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5

Connectors - Audio

Jack Type - 2.5mm  SEE PAGE 233	Digital Type  SEE WEBSITE	Loudspeaker Connectors  SEE PAGE 243	Multipole - Circular  SEE PAGE 247
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Digital Types

Ethercon RJ45 Type



- Robust RJ45 data connector
- For harsh and demanding environments in audio and stage applications
- Complies with Cat 5 requirements
- Chassis connector mates with both Neutrik connector carrier with inserted RJ45 plug and sole standard RJ45 plug

Cable Connector		Receptacle	
Mating Cycles	1000	Number of Contacts	8
		Rated Current	1.5A
Material		Dielectric Strength	1000V
Housing	Galvanised Nickel	Contact Resistance	10m
Strain Relief Clamp	POM	Insulation Resistance	500
Bushing	PA6	Housing Mat	PBTP
Temperature Range	-30°C to 80°C	Contact Mat	CuSn
		Contact Plating	Gold

232938

Mfrs. List No.	Order Code	1+	10+	50+	100+
Cable Connector					
NE8MC	388-6244	5.25	4.74	4.34	4.19
NE8 MC 1	120-4615	5.42	4.99	4.56	4.16
Receptacle PCB Mount-Horizontal					
NE8FAV	120-2031	7.94	7.36	6.77	6.25
NE8FAH	388-6256	7.94	7.04	6.38	5.86
Receptacle PCB Mount-Vertical					
NE8FAV..	470-9147	7.94	7.36	6.77	6.25
NE8FDV	489-3062	9.02	8.37	7.68	7.06
Receptacle IDC Terminals					
NE8FAVYK	388-6268	15.79	14.01	12.94	11.49
NE8FDV-YK	489-5009	19.30	--	--	--
Receptacle 110 Punch Down Terminals					
NE8FAV-Y110	454-0724	15.14	--	--	--
NE8FDV-Y110	456-0814	16.54	15.30	14.00	12.95
Receptacle Feed Through Terminals					
NE8FDP	120-2032	15.40	15.10	14.65	14.16
NE8FDP-B	727-0379	17.64	16.37	14.97	13.80

EtherCon® RJ45 Feedthrough Coupler NE8FF



- RJ45 coupling for extension line applications etc.
- Compliant with Cat5 (TIA/EIA and ISO/IEC Standards)
- Can be used with both EtherCon (NE8MC: 388-6244) and conventional RJ45 connectors
- Durable, resistant metal housing - ideal for rough operating conditions

334039

Mfrs. List No.	Order Code	1+	10+	50+	100+
NE8FF.	470-9160	36.89	33.82	30.77	28.21
NE8FF	120-2033	36.52	33.49	30.47	27.93

USB and Firewire Adapters NAUSB and NA1394 Series



- Ideal for audio networking and integration of digital equipment into audio systems
- USB genderchanger type A-B (B-A)
- Firewire (IEEE 1394) feedthrough with 6-pole receptacle at both ends
- Built in universally accepted standard D-shape housing

NEW

415531.407608

Description	Order Code	1+	10+	25+
USB Adaptor - Silver	999-1999	8.50	7.68	6.97
USB Adaptor - Black	999-2006	9.31	8.50	7.65
Firewire - Silver	999-2014	12.53	11.43	10.29
Firewire - Black	999-2022	15.46	13.90	12.66

Push-Pull BNC-Connector, 75Ω
NBNC75PDE6

NEUTRIK



239031

Description	Order Code	1+	10+	50+	100+
BNC Push-Pull 75Ω	382-4809	12.52	11.62	10.69	9.92
1 PLUG, BNC PUSH-PULL 75Ω	120-2036	10.18	9.32	8.50	7.78
2 BOOT, PUSH-PULL-RED	120-2037	0.85	0.72	0.63	—
3 BOOT, PUSH-PULL-YELLOW	120-2038	0.85	0.72	0.63	—
4 BOOT, PUSH-PULL-WHITE	120-2039	0.85	0.72	0.63	—

BNC Bulkhead Jacks
NBB75 Series

NEUTRIK



NBB75DFIB / NBB75DFGB



NBB75FI

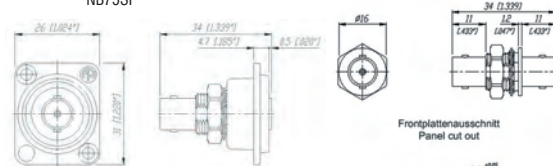
NEW



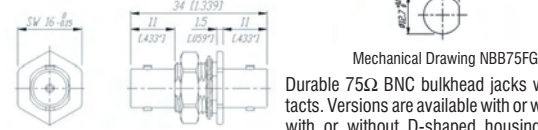
NBB75FG



NBB75FG



Mechanical Drawing NBB75DFI / DFG



Mechanical Drawing NBB75FG

Durable 75Ω BNC bulkhead jacks with plated contacts. Versions are available with or without isolation, with or without D-shaped housings and as feed through plugs or solder terminals on the rear.

Description	Mfrs. List No.	Order Code
Recessed bulkhead jack, black D-shaped housing, feed through, isolated	NBB75DFIB.	470-9573
Recessed bulkhead jack, black D-shaped housing, feed through, grounded	NBB75DFGB.	470-9585
Bulkhead jack, feed through, isolated	NBB75FI.	470-9597
Bulkhead jack, feed through, grounded	NBB75FG.	470-9603
Bulkhead jack, front mount, solder version with isolation washers	NBB75SI.	470-9615

Impedance: 75Ω
Rated Current: rms
Isolation Voltage: 1500V ac rms
Temperature Range: -30°C to +85°C

334780

Mfrs. List No.	Order Code	1+	10+	50+	100+
NBB75DFIB.	470-9573	17.42	16.01	14.56	13.35
NBB75DFGB.	470-9585	15.30	12.76	11.78	11.43
NBB75FI.	470-9597	13.44	12.33	11.24	10.29
NBB75FG.	470-9603	13.91	12.79	11.60	10.62
NBB75SI.	470-9615	14.01	12.89	11.71	10.72
NBB75SI	120-2040	14.13	13.00	11.81	10.81

75Ω BNC Connector - Rear Twist
NBNC75 Series

NEUTRIK



75Ω BNC Connector with black sleeving. Suitable for the following cables

- 999-2030: e.g. Belden 1522A (816-3138)
- 999-2065: RG6 (e.g. 592-031)
- 999-2073: RG11 (e.g. 491-4053)
- 470-9445: RG59B/U (e.g. 585-622)
- 999-2057: RG59 mini (e.g. 492-1859)
- 999-2049: RG179B/U (e.g. 492-1732)

- 470-9457: e.g. Cordial CVI 06-28 (474-0804)
- Coloured sleeves are available for cable colour coding

Impedance: 75Ω
Rated Current: 500V ac rms / 250 V ac rms (Rear Twist Tiny)
Cable Attachment: Sheath cable crimp
Cable Diameter: 2.5-3.8mm (Rear Twist - Small)
4.0-7.7mm (Rear Twist - Standard)
10.3mm max. (Rear Twist - Large)

Temperature Range:

-30°C to +85°C

334773

Mfrs. List No.	Order Code	1+	10+	50+
Connector - Rear Twist (Standard Cable)				
NBNC75BLP7.	470-9445	5.45	5.03	4.57
NBNC75BFG7.	470-9457	5.45	5.03	4.57
NBNC75BTU11..	NEW 999-2065	5.40	4.88	4.39
Connector - Rear Twist (Small Cable)				
NBTC75BFI4.	NEW 999-2030	9.57	8.59	7.81
NBTC75BLI4.	NEW 999-2049	9.57	8.59	7.81
NBTC75BXX6.	NEW 999-2057	9.57	8.59	7.81
Connector - Rear Twist (Large Cable)				
NBLC75BVZ17.	NEW 999-2073	9.02	8.14	7.36
Sleeves				
BST-BNC 1-brown	470-9469	0.85	0.72	0.63
BST-BNC 2-red	470-9470	0.85	0.72	0.63
BST-BNC 3-orange	470-9482	0.85	0.72	0.63
BST-BNC 4-yellow	470-9494	0.85	0.72	0.63
BST-BNC 5-green	470-9500	0.85	0.72	0.63
BST-BNC 6-blue	470-9512	0.85	0.72	0.63
BST-BNC 7-violet	470-9524	0.85	0.72	0.63
BST-BNC 8-grey	470-9536	0.85	0.72	0.63
BST-BNC 9-white	470-9548	0.85	0.72	0.63
Tools				
Mfrs. List No.		1+	3+	5+
Crimping Pliers HX-R-BNC	470-9550	233.77	216.78	198.72
Crimp Tool DIE-R-BNC-PG f. BLP7/BFG7	470-9561	246.08	228.21	209.20
Crimp Tool DIE-R-BNC-PDC f. BFI4/BLI4	999-2081	227.23	—	—
Crimp Tool DIE-R-BNC-PU f. BTU11	999-2090	227.23	—	—
Crimp Tool DIE-R-BNC-Z f. BVZ17	999-2103	227.23	—	—

2.5mm Subminiature Jack

2.5mm Jack - 2 Pole

SCHURTER
ELECTRONIC COMPONENTS

- Black plastic shell with a cable lamp
- Moulded cable strain relief
- Japanese specification

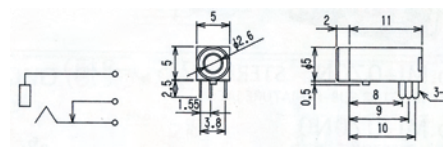
Note: To avoid compatibility problems it is advisable not to mix these jack plugs & sockets with other types.

152-197 152-199 473-467
L=40, Dia=8 L=39, Dia=9.5 H=9.6, W=7.2, D=16
Cable entry = 4.0 max Panel cut-out=5.0 dia

224128

	Order Code	5+	50+	250+	500+	+
Free plug	152-197	1.18	1.16	1.12	1.00	—
Line socket	152-199	0.83	0.78	—	—	—
Panel socket	473-467	1.35	1.28	1.22	1.12	—

PCB Mount 2.5mm Jack Sockets



PCB mount 2.5mm jack sockets available in mono and stereo configurations.

Supplied in packs of 5.

369509.276548

5

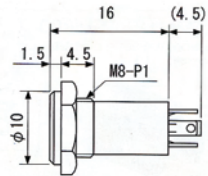
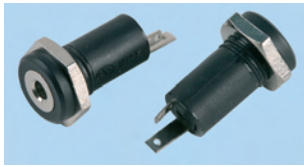
Connectors - Audio

Compliant
Non-compliant
Limited stock - RoHS replacement available

RoHS

Description	Order Code	Price Per Pack			
		1+	10+	25+	100+
Mono	804-4899	4.27	3.78	3.45	3.12
Stereo	804-4902	7.57	5.05	4.72	4.23

2.5mm Panel Mount Jack Sockets



A range of 2.5mm panel mount jack sockets supplied with lock nuts.

2 Per Pack

Description	Order Code	Price Per Pack			
		1+	25+	50+	100+
2-pole	869-5660▲	2.60	2.28	2.02	1.82
3-pole	869-5679▲	3.26	2.93	2.60	2.34
4-pole	869-5687▲	3.26	2.93	2.60	2.34

382819.345105

3.5mm Subminiature Jack

3.5mm Jack Type - 2 Pole



152-200
L=52, Dia=10
Cable entry=4.0 max

152-202
L=39, Dia=9.5

152-201
H=16.3, W=8, D=9.5
Panel cut-out=6.0 dia

152-206
H=16, W=11, D=10

- Black plastic shell with a cable clamp
- Moulded cable strain relief
- Japanese specification

Note: To avoid compatibility problems it is advisable not to mix these jack plugs & sockets with other types.

224130

Order Multiple=5		Price Each				
Description	Order Code	5+	100+	250+	500+	+
Free Plug	152-200●	1.11	1.09	1.03	0.93	--
Line Socket	152-202●	0.87	0.83	0.80	0.67	--
Panel socket	152-201●	1.07	1.03	1.00	0.90	--
PCB Socket	152-206●	2.30	1.93	1.73	1.28	--

3.5mm Jack Type - 2 Pole/high quality



143-313
L=34, Dia=8.9
Cable entry=3.3 max.

143-314
L=34, Dia=6.4

143-334
H=14.1, W=10.7, D=15.5
Panel cut-out=6.4 Dia

Note: To avoid compatibility problems, it is advisable not to mix these jack plugs & sockets with other types.

224131

		Price Each				
	Order Code	1+	100+	250+	500+	+
Insulated plug	143-313●	8.96	7.74	6.61	4.91	--
Screened plug	143-314●	8.31	6.84	6.00	4.30	--
Switched socket	143-334●	6.64	5.39	4.85	4.34	--

3.5mm Jack Type - Screw Locking



Plug: 143-312
L=34, Dia=9.7
Cable entry=3.3 max.

Socket: 143-335
H=14.2, W=10.9,
D=15.5
Panel cut-out=8.2 Dia

PCB Socket: 149-932
H=9.4, W=10.7,
D=15.4
PCB drilling pattern
W=9.0, D=3.4
PCB hole size=1.2

Note: To avoid compatibility problems, it is advisable not to mix these jack plugs & sockets with other types.

224132

	Order Code	Price Each				
		1+	100+	250+	500+	+
Plug	143-312●	8.51	7.00	6.16	4.59	--
Socket	143-335●	4.80	3.37	3.08	2.29	--
PCB socket	149-932●	5.45	4.30	3.92	2.82	--

3.5mm Jack Type - 3 Pole (Stereo)



152-203
L=52, Dia=10

152-205
L=39, Dia=9.5

152-204
H=6, W=12, D=16

Cable entry=4.0 max

- Black plastic shell with a cable clamp
- Moulded cable strain relief
- Japanese specification

Note: To avoid compatibility problems it is advisable not to mix these jack plugs & sockets with other types.

224133

	Order Code	Price Each				
		2+	50+	100+	250+	+
Free plug	152-203●	2.00	1.80	1.67	1.41	--
Line socket	152-205●	1.22	1.16	1.09	1.07	--
PCB socket	152-204●	2.14	2.02	1.86	1.67	--

3.5mm Jack Type - 3 Pole (Stereo)



143-315
L=39.6, Dia=10.4
Cable entry=4.8 max.

143-316
L=39.1, Dia=7.9

143-336
H=14.2, W=10.7,
D=18.8
Panel cut-out=6.4 dia.

149-933
H=9.3, W=10.7, D=18.8
PCB drilling pattern
W=9.0, D=3.3+3.3
PCB hole size=1.2

Note: To avoid compatibility problems, it is advisable not to mix these jack plugs & sockets with other types.

224134

Plugs	Order Code	Price Each				
		1+	100+	250+	500+	+
Plugs						
Insulated	143-315●	20.00	16.24	14.48	10.69	--
Screened	143-316●	16.24	13.35	11.84	9.46	--
Sockets						
Switched	143-336●	7.91	6.36	5.75	4.17	--
PCB switched	149-933●	6.36	5.14	4.62	3.56	--

3.5mm Jack Plugs



A range of high quality 3.5mm jack plugs featuring crimp strain reliefs and available with nickel or gold plated contacts. Maximum cable diameter 4.8mm.

333693.278131

Description	Mfrs. List No.	Order Code	Price Each	
			1+	10+
Nickel Plated				
Mono	NYS226	823-4655●	1.49	--
Stereo	NYS231	448-0181	1.24	1.14
Gold Plated				
Stereo	NYS231BG	823-4663●	1.58	--

6.35mm (1/4") Jack

6.35mm (1/4") Jack Plugs – Coloured



A range of mono and stereo, overmoulded Jack plugs.

369559,345041

Order Code	1+	50+	100+
804-5291	1.97	1.68	1.47

6.35mm (1/4") Jack Type - 2 Pole (Mono)
(Switched and Unswitched)

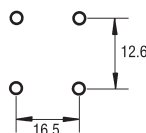
148-257
Body size: L=41.3,
Dia=11.2

148-258
Body size: L=38.1, Dia=12.7
Cable entry=6.0 max

148-259
Body size: H=31,
W=17.5, D=17



148-266 (Panel)
H=23.8, W=20.4, D=21.3 Panel cut-out=11.0 dia
(plastic nut) 11.5 dia (chrome nut), Pins=solder lug type



PCB Drilling Pattern
PCB hole size=1.6

High quality two pole jack plugs and sockets featuring long life contacts.

Housing	Plugs screened Plugs insulated Sockets	Straight: Chrome plated brass, 90° Chrome plated plastic Tough polypropylene Shatterproof black nylon Silver plated brass, nickel silver springs
Contacts		

Mfrs. List No.	P1 = 148-257 P2 = 148-258 SEP1 = 148-259	SEP2 = 148-260 S2SNS = 148-264 S2BNB = 148-265	S4SNS = 148-266 S4BNB = 148-267 S2BNBPCA = 152-062
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224135

	Order Code	1+	25+	50+	100+	+
Plugs, Straight						
Screened	148-257	5.04	4.40	3.88	3.11	--
Insulated	148-258	2.87	2.47	2.18	1.77	--
Plugs, 90°						
Screened	148-259	5.28	5.23	4.94	4.49	--
Insulated	148-260	5.57	4.85	4.17	3.37	--
Panel Sockets, Plastic Nut						
Unswitched	148-264	1.28	1.06	0.93	0.77	--
Switched	148-265	1.38	1.29	1.10	0.88	--
Panel Sockets, Chrome Nut						
Unswitched	148-266	2.30	2.28	2.21	2.02	--
Switched	148-267	2.94	2.82	2.60	2.44	--
PCB Sockets, Plastic Nut						
Switched	152-062	1.10	1.06	1.00	0.83	--

6.35mm (1/4") Jack Plugs
and Locking Sockets
N-Series

2 pole plug
L=95, Dia=16.2

2 pole, 90° plug
H=50, W=16, D=65

3 pole plug
L=95, Dia=16.2

Panel socket
H=31, W=26,
D=37
Cut out=23 dia.
Fixing centres
=19x24

Diecast, professional jack connectors of exceptional quality. The plugs are quick and easy to assemble, and incorporate a cable clamp and strain relief sleeve. The sockets feature a push release mechanism, and will lock with any 2 or 3 'gauge A' plug. By connecting the ring and sleeve together, the sockets may be configured for 2 pole plugs. Nickel plated or black chrome finish.

Housings	Diecast zinc, copper and nickel plated
Insulator	Nylon (PA66)
Plugs	Polyester (PBTP) UL94V-0
Sockets	Brass, nickel plated
Contacts	Beryllium bronze, silver plated

Mfrs. List No:	NP2C = 212-155 NP2RCS = 439-095 NP3C = 212-167 NP3RCS = 500-8463	NJ3FC6C = 212-179 NJ3FP6C = 212-180 NP2CBAG = 212-192	NP3CBAG = 212-209 NJ3FC6CBAG = 212-210 NJ3FP6CBAG = 212-222
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224138

Nickel	Order Code	1+	10+	50+	100+
Plug, 2 pole	212-155	5.98	5.42	5.00	4.74
Plug, 90°, 2 pole	439-095	6.37	5.79	5.32	5.06
Plug, 3 pole	212-167	8.48	7.73	7.07	6.74
Plug, 90°, 3 pole	500-8463	11.11	9.27	8.54	8.28
Line socket	212-179	13.35	12.13	11.11	10.58
Panel socket	212-180	10.58	9.64	8.81	8.41
Black					
Plug, 2 pole	212-192	6.05	5.49	5.03	4.80
Plug, 3 pole	212-209	8.54	7.76	7.13	6.78
Line socket	212-210	13.67	12.43	11.39	10.84
Panel socket	212-222	11.37	10.35	9.46	9.04

6.35mm (1/4") Jack Plugs and Panel Sockets



Panel Socket Standard
L=32, Dia=23

Plugs L=72.5,
Dia=13

Long reach L=60
Dia=16
Thread Length=34

- High quality fully screened jack plugs
- Nickel plated brass finish
- Strong cable strain relief clamps (plugs)
- Sockets feature very strong plug retention
- Ideal replacements for guitars or products where lead pull off can cause problems

224140

Plugs	Mfrs. List No.	Order Code	1+	5+	10+	50+	+
2 pole	280	971-200	8.82	8.35	7.83	6.00	--
3 pole	297	971-212	11.17	10.62	9.99	7.62	--
Panel Sockets							
Standard							
2 pole	12A	119-2904	5.66	5.05	4.92	4.70	--
3 pole	14B	971-236	11.36	10.88	--	--	--
Long Reach							
2 pole	151	971-248	14.12	13.39	12.58	9.63	--

6.35mm (1/4") Jack Type - 3 Pole (Stereo)
(Switched)

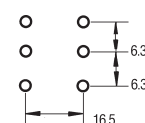
148-261
Body: L=41.3, Dia.=11.2

148-262
Body: L=38.1, Dia.=12.7
Cable entry=6.0 max

148-263
Body: H=31, W=17.5, D=17



148-269 (Panel)
H=23.8, W=20.4, D=24.9,
Panel cut-out=11 dia (plastic nut), 11.5 dia
(chrome nut)



PCB Drilling Pattern
PCB Hole Size=1.6

Professional high quality three pole jack plugs and sockets featuring long life contacts.

Housings	Plugs Screened Plugs insulated Sockets	Straight: Chrome plated brass, Tough polypropylene Shatterproof black nylon Silver, nickel silver springs	90°: Chrome plated plastic
Contacts			

Mfrs. List Nos: P3 = 148-261 SEP3 = 148-263 S4BBB = 148-269
P4 = 148-262 S2BBB = 148-268 S2BBBPCA = 152-063

224143

	Order Code	1+	25+	50+	100+	+
Plugs Straight						
Screened	148-261	7.58	6.68	5.75	4.72	--
Insulated	148-262	5.46	4.78	4.11	3.31	--
Plug 90°						
Screened	148-263	8.38	7.32	6.39	5.14	--
Switched Panel Socket						
Plastic nut	148-268	1.73	1.51	1.32	1.09	--
Chrome nut	148-269	2.38	2.21	1.96	1.60	--
Switched PCB Socket						
Plastic nut	152-063	1.90	1.73	1.54	1.22	--

6.35mm (1/4") Jack Plugs



General purpose 6.35mm (1/4") jack plugs featuring crimp strain reliefs and available with nickel plated contacts. Maximum cable diameter 6mm.

2 Per Pack

333694.278139

Description	Mfrs. List No.	Order Code	1+	20+
Mono	NYS201	463-2606	2.21	1.91
Stereo	NYS202	463-2618	2.99	2.60

6.35mm Jack Plug



- 6.35mm jack plug
- Low cost
- Available in mono or stereo versions

2 Per Pack

364371.345293

Description	Mfrs. List No.	Order Code	1+	25+
Mono	NYS203	802-0450	1.43	1.24
Stereo	NYS204	802-0469	2.08	1.81

6.35mm (1/4") Jack Plugs X Series



- Slim, sleek, streamlined design
- Only 15.88mm overall diameter
- Traditional, Neutrik quality
- One piece engineered tip, no rivets

- Neutrik chuck principal strain relief
- New design rear cable gland
- Gold plated insert (-B)

Housing ZnAl4Cu1 (Zinc), black over nickel
Insulation PA 6.6 30% GR
Contacts Nickel/Gold

Cable Entry 4-7mm
Operating Temperature -20°C to +65°C

382186.400727

Housing	Contact	Mfrs. List No.	Order Code	1+	10+	50+	100+
Mono							
Nickel	Nickel	NP2X	831-4535	6.84	6.09	5.50	5.24
Black	Nickel	NP2X-BAG	831-4551	6.90	6.12	5.57	5.27
Black	Gold	NP2X-B	831-4543	8.50	7.58	6.90	6.51
Stereo							
Nickel	Nickel	NP3X	831-4560	9.67	8.59	7.84	7.39
Black	Nickel	NP3X-BAG	831-4586	9.73	8.63	7.84	7.42
Black	Gold	NP3X-B	831-4578	15.17	13.48	12.24	11.62

3 Pole Plugs, B-Gauge (B.P.O. 316)



L=85, Dia=13
Cable entry=4-7.5

- Professional quality B.P.O. 316 connector
- Rugged solid brass construction
- Space saving slimline housing
- Nickel plated brass contacts
- Chuck type strain relief
- Red or black matt finish
- Suitable for high density jackfields, patchpanels etc.

Housing Machined brass, matt red or black coated
Insulator Glass reinforced nylon 66
Contacts Brass, nickel plated

224146

Colour	Mfrs. List No.	Order Code	1+	10+	50+	100+
Red	NP3TB-R	439-113	10.26	8.54	7.89	7.66
Black	NP3TB-B	439-125	10.26	8.54	7.89	7.66

4.4mm Bantam Jack Plugs



L = 61,
Dia. = 8

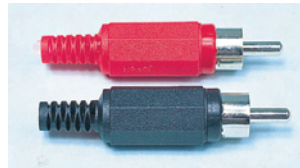
- Turned from solid brass, nickel plated
- Supplied with cable fixing eyelets and screws
- 1/4 Turn plastic body latches
- Threaded cable tube for cable strain relief

224149

Colour	Mfrs. List No.	Order Code	1+	8+	16+	32+	+
Black	TT253N	119-2903	24.97	22.30	21.61	20.70	--
Red	TT254N	888-862	15.23	14.57	13.71	12.45	--

Phono (RCA Type)

Phono Plugs



Low cost Phono (RCA) plugs with strain reliefs. Solder connection.

Supplied in packets of 10

369442.256770

Colour	Order Code	1+	10+	50+	100+
Red	804-1776	9.86	8.88	6.58	4.93
Black	804-1784	9.86	8.88	6.58	4.93
Yellow	804-1792	9.86	8.88	6.58	4.93
White	804-1806	9.86	8.88	6.58	4.93
Blue	804-1814	9.86	8.88	6.58	4.93
Green	804-1822	9.86	8.88	6.58	4.93

Phono Plugs with Strain Reliefs – Gold Plated



A range of Phono (RCA) plugs with colour coded plastic bodies, cable strain reliefs and gold plated contacts for improved signal integrity.

Supplied in packs of 10

369444.256772

Colour	Order Code	1+	10+	50+	100+
Red	804-1873	11.50	10.19	7.23	5.59
Black	804-1881	11.50	10.19	7.23	5.59
Yellow	804-1890	11.50	10.19	7.23	5.59
White	804-1903	11.50	10.19	7.23	5.59
Blue	804-1911	11.50	10.19	7.23	5.59
Green	804-1920	11.50	10.19	7.23	5.59

Phono (RCA) Plugs

Hollow and Solid Pin



- Machined brass construction
- Hollow pin silver plated
- Acetal back shell
- Solid pin gold plated
- Patented 'T'-slot ground contact

L=35, Dia=11.3 Cable entry=4.1 max.

Current rating 5A @ 200V dc/150V ac max.
Body Brass, nickel or gold plated
Back shell Acetal

Insulator Noryl
Contacts Brass, nickel or gold plated

224153

Mfrs. List No.	Order Code	1+	50+	100+	250+	+
Hollow Pin						
Red 413-0500	119-4043	2.50	2.31	2.05	1.67	--
Black 413-0100	119-4044	2.50	2.31	2.05	1.67	--
Solid Pin Gold Plated						
Red 416-0500	119-4046	3.24	2.95	2.66	2.18	--
Black 416-0100	119-4047	3.24	2.95	2.66	2.18	--

Phono Plugs



High quality phono plugs featuring gold plated contacts. Maximum 6mm cable diameter.

333691.278395

Description	Mfrs. List No.	Order Code	1+	Price Each	10+
Red	NYS373-2	463-2886	1.84		1.75
Black	NYS373-0	463-2898	1.84		1.75
Yellow	NYS373-4	500-8475	1.84		1.67
Green	NYS373-5	500-8487	1.84		1.72
Blue	NYS373-6	500-8499	1.84		1.72
White	NYS373-9	500-8505	1.84		1.72

Phono Sockets — PCB Mounting/90°

Gold Plated Option



- 90° PCB mounting phono sockets
- Colour coded housing and insulators
- Gold plated option

2 Per Pack

240416

Colour	Order Code	1+	25+	50+	100+	+
Nickel Plated, 2 Terminal						
Black	529-8994	3.02	2.73	2.60	2.40	--
Red	414-9890	2.76	2.49	2.37	2.13	--
Yellow	414-9907	2.76	2.49	2.37	2.13	--
White	414-9919	2.76	2.49	2.37	2.13	--
Nickel Plated, 3 Terminal						
Black	414-9889	2.76	2.49	2.37	2.13	--
Red	804-1938	3.02	2.73	2.40	2.33	--
Yellow	804-1946	2.70	2.47	2.21	2.15	--
White	804-1954	3.02	2.73	2.40	2.33	--
Gold Plated, 3 Terminal						
Black	414-9920	3.12	2.88	2.76	2.49	--
Red	414-9932	3.12	2.88	2.76	2.49	--
Yellow	414-9956	3.12	2.88	2.76	2.49	--
White	414-9944	3.12	2.88	2.76	2.49	--

Phono (RCA) Socket - PCB



Contact resistance 50mR max
Housing ABS Resin
Contacts Brass, nickel plated

H=18.5, W=10, D=23

CA055/224154

Order Multiple=2	Order Code	2+	10+	30+	60+	+
	152-396	1.54	1.41	1.22	1.09	--

Phono (RCA) Plugs - Hollow Pin



- Machined brass construction
- 3 options of finish
- Accept colour coding rings
- Spring strain relief
- Patented 'T'-slot ground contact

L=55.4, (37.2 excl. spring),
Dia=10.8, Cable entry=5.5 max

Current rating 5A @ 200V dc/150V ac max.
Housing/strain relief Brass; nickel, black chrome or flash gold plated

Insulator Noryl
Contacts Brass; nickel plated or flash gold plated

224156

Finish	Mfrs. List No.	Order Code	1+	50+	100+	250+	+
Nickel	330-0000	119-3928	0.75	0.73	0.69	0.61	--
Black	332-0000	119-3929	2.74	--	--	--	--
Gold	331-0000	119-3930	1.06	0.92	0.80	0.65	--

Phono (RCA) Plugs - Solid Pin



- Machined brass construction
- Accept colour coded ring
- Improved solder bucket
- Spring strain relief
- 3 options of finish
- Patented 'T'-slot ground contact

L=55.4, (37.2 excl spring), Dia=10.8,
Cable entry=5.5 max.

224157

Finish	Mfrs. List No.	Order Code	1+	50+	100+	250+	+
Nickel Finish	333-0000	119-4006	4.14	3.82	3.53	3.24	--
Black / Gold	335-0000	119-4007	5.71	5.26	4.94	4.56	--
Gold	334-0000	119-4009	5.71	5.26	4.94	4.56	--

Phono (RCA) Sockets



- Machined brass construction
- 3 options of finish
- Solder bucket termination
- In-line sockets have spring loaded centre contacts
- In-Line sockets accept colour coding rings

Panel L=24.1, Dia=8.25
Panel cut-out=7.5 dia

In-line L=49.0, (31.1 excl. spring,
Dia=10.8 Cable entry=5.5 max.

224158

	Mfrs. List No.	Order Code	1+	50+	100+	250+	+
Panel Sockets (Nickel)							
Red	431-0500	119-3844	1.30	--	--	--	--
Black	431-0100	119-3803	1.30	--	--	--	--
In-line Sockets							
Nickel	340-0000	119-3932	1.86	--	--	--	--
Black	342-0000	119-3933	0.89	0.82	0.71	0.63	--
Gold	341-0000	119-3935	2.42	--	--	--	--
Isolated Washers (50 pack)	434-0000	119-4026	9.92				

Phono (RCA) Type - Gold Plated

0.5 Micron



Panel socket L=24.1,
Dia=8.25
Panel cut-out=7.5 dia

Plug L=55.4, (37.2 excl. spring),
Dia=10.8
Cable entry=5.5 max

- Machined brass construction
- 0.5 micron gold plated contact
- Solid centre pin
- Plugs accept colour coding rings
- Spring strain relief
- Sockets colour coded red and black
- Patented 'T'-slot ground contact

Compliant
Non-compliant
Limited stock - RoHS replacement available

RoHS

224159

Panel Sockets	Mfrs. List No.	Order Code	1+	+	+	+	+
	432-0500-1	119-3876	2.79	--	--	--	--
	432-0100-1	119-3877	2.79	--	--	--	--
Plug							
Gold	336-0000	119-3931	1.72	--	--	--	--
Isolated Washers (50 pack)		119-4026	9.92				

Phono (RCA) Plugs - Anodised Housing



L=60.5, (45 excl. spring),
Dia.=10.8 Cable entry=5.5 max.

Current rating	5A @ 200V dc/150V ac max.	Strain relief spring	Black chrome
Insulation resistance	100MR @ 500V dc	Insulator	PTFE
Housing	Anodised Aluminium, colour coded	Contacts	Brass Gold flash plated

- Colour coded housings
- Gold plated brass contacts
- Solid centre pin
- Large solder bucket
- PTFE insulator
- Large cable entry
- Pre-formed cable clamp
- Patented 'T'-slot ground contact

224162

Body Colour	Mfrs. List No.	Order Code	1+	50+	100+	250+	+
Black	346-0100	119-3950	1.25	1.13	0.99	0.66	--
Blue	346-0200	119-3951	3.35	--	--	--	--
Red	346-0500	119-3952	1.25	1.13	0.99	0.66	--
Yellow	346-0700	119-3953	1.25	1.13	0.99	0.66	--

Phono (RCA) Plugs - High End



L=62.6, (46.3 excl. spring), Dia.=12.4, Cable entry=5.5 max.

- Machined brass construction
- 0.5 micron gold plated contacts
- Solid centre pin
- Large solder bucket
- PTFE insulator
- Fully shrouded ground contact
- Maximum RFI/EMI shielding
- Gold or black chrome options
- Large cable entry
- Patented 'T'-slot ground contact

Current rating	5A @ 200V dc/150V ac max.	Strain relief springs	Black chrome or flash gold plated
Insulation resistance	100MR @ 500V dc	Insulator	PTFE
Housing	Brass, black chrome or flash gold plated, red/white colour coding	Contacts	Brass 0.5µ Gold

224164

Colour Code	Mfrs. List No.	Order Code	1+	25+	50+	100+	+
Flash Gold Cap/Spring							
Red	320-0500	119-3954	11.56	10.59	9.37	8.19	--
White	320-0600	119-3955	11.56	10.59	9.37	8.19	--
Black Chrome Cap/Spring							
Red	321-0500	119-3956	10.22	9.79	9.18	8.47	--
White	321-0600	119-3957	10.22	9.79	9.18	8.47	--

'Profi' Phono (RCA) Plugs



L=54 max, Dia=13, Cable entry=3.0-7.3

- Gold plated contacts
- Spring loaded earth contact
- Makes ground before signal
- Breaks signal before ground
- Prevents possible noise damage
- Chuck type strain relief
- Two strain relief size options
- Wide cable entry range
- Matt black finish, colour coded
- Supplied as pair with strain reliefs

Current rating	16A max	Housing	Brass/Copper Alloy
Rated voltage	250V ac	Insulator	Polyester, PBTP
Proof voltage	1500V ac	Pin	Brass, Cu alloy gold plated
Insulation resistance	1.1GR	Earth	Bronze, nickel and 0.5µ gold plated
Mfrs. List No.	NF2C2B		

224166

2 Per Pack	Order Code	1+	25+	50+	100+	+
Red and Black	250-739	33.14	30.12	27.61	26.30	--

RCA Series Phono Sockets



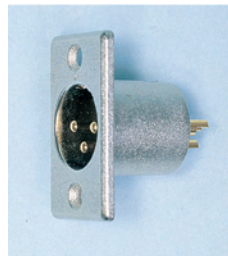
- Panel mount
- Gold plated RCA/phono contacts, with black, red, yellow or white isolation washers for colour coding
- Solder contacts to rear

372762.345292

Colour	Mfrs. List No.	Order Code	1+	10+
Black	NYS367-0	500-8517	1.84	1.81
Red	NYS367-2	500-8529	1.86	--
Yellow	NYS367-4	500-8530	1.84	1.81
Green	NYS367-5	500-8542	1.84	1.81
Blue	NYS367-6	500-8554	1.84	1.81
White	NYS367-9	500-8566	1.84	1.81

XLR Style

XLR Connectors



- Commercial grade XLR connectors
- Available in 4, 5 or 7 pin
- Panel socket feature locking latch
- Ideal for general purpose audio video applications

240443

	Order Code	1+	25+	50+	100+	+
In Line Plugs						
3 Pin	414-9968	3.63	3.21	3.09	2.67	--
4 Pin	415-0016	5.94	5.70	5.46	4.83	--
5 Pin	415-0028	6.39	5.94	5.61	5.22	--
7 Pin	415-0030	10.77	10.38	9.84	8.88	--
In Line Sockets						
3 Pin	414-9993	7.95	7.74	7.50	7.11	--
4 Pin	415-0041	5.55	5.16	4.86	4.41	--
5 Pin	415-0053	9.00	8.58	8.31	7.83	--
7 Pin	415-0065	12.33	11.55	11.07	7.02	--
Panel Socket With Latch						
3 Pin	853-8190	2.93	2.70	2.51	2.21	--
4 Pin	415-0077	7.83	7.65	7.47	7.05	--
5 Pin	415-0089	9.30	9.12	8.94	8.61	--
7 Pin	415-0090	12.42	12.24	12.06	11.73	--
Panel Plugs						
3 Pin	853-8204	3.09	2.90	2.64	2.34	--
4 Pin	415-0107	4.83	4.68	4.53	4.05	--
5 Pin	415-0119	5.16	4.98	4.83	4.38	--
7 Pin	415-0120	8.58	8.43	8.28	7.80	--

XLR Free Plugs and Free Sockets



- High quality, metal XLR connectors
- Ideal for microphones or instruments
- Latching action

240456

Free Plug	Order Code	Price Each				
		1+	25+	50+	100+	+
3 Pin	414-9968	3.63	3.21	3.09	2.67	--
5 Pin	414-9970	9.06	8.82	8.49	7.95	--
Free Socket	Order Code	Price Each				
		1+	25+	50+	100+	+
3 Pin	414-9981	3.99	3.60	3.30	2.85	--
4 Pin	414-9993	7.95	7.74	7.50	7.11	--
5 Pin	415-0004	10.77	9.99	9.51	8.88	--

Right Angle XLR Connectors

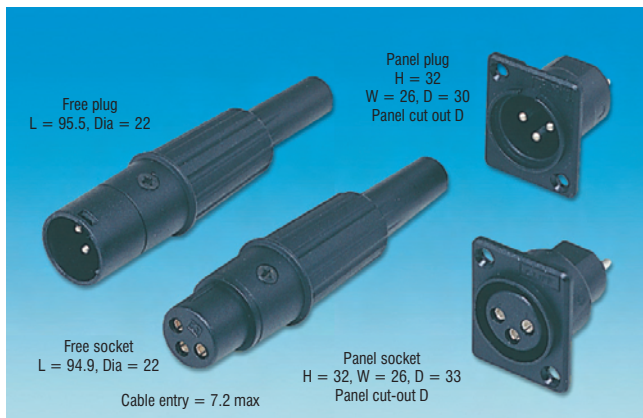


3-Pin 90° XLR connectors suitable for use in confined spaces. Available in plug and socket.

339831.276326

Frequency	Order Code	Price Each		
		1+	10+	50+
XLR Plug	509-6169	2.38	1.79	1.43
XLR Socket	509-6170	2.83	2.12	1.69

XLR Type - 3 Pole/Insulated



A range of lightweight yet robust, black plastic and audio connectors. Suitable for speaker connection or any other applications where screening is not essential. The free plugs feature a snap fit cable clamp/strain relief which substantially speeds up connector assembly time.

Contact rating	16A	Temperature range	-25°C to +70°C
Working voltage	250V ac	Housing	Matt black, glass filled nylon
Proof voltage	1600V ac	Contacts	Brass Silver over Nickel plated
Contact resistance	≤3mR		

224169

	Order Code	Price Each				
		1+	25+	50+	100+	+
Free plug	149-322	4.80	4.37	4.08	3.60	--
Free socket	149-323	5.33	4.83	4.53	3.92	--
Panel plug	149-324	2.27	2.02	1.93	1.70	--
Panel socket	149-325	2.77	2.49	2.40	2.14	--

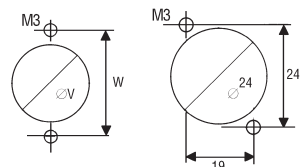
8000 Series XLR Type

Precision engineering, robust audio/video connectors, of detailed ergonomic design for broadcast, studio and other professional applications. The connectors feature a unique colour coding system, a 'lever action' latching mechanism, finger grips, and are of screwless assembly. Available in satin, nickel or black chrome finishes.

Current rating	3 Pole 16A 4 Pole 10A 5 Pole 7.5A	Housing	Diecast zinc, satin nickel or black chrome plated
Working voltage	250V ac	Insulator	Noryl, UL94V-1
Proof voltage	1.5kV ac	Contacts	Brass, 3 micron silver plated, anti-tarnish finish
Contact resistance	<3mΩ	Strain relief/sealing rings	Santoprene, UL94HB
Temperature range	-30°C to +80°C		

224170

Panel Hole Cut-Outs (Front Side)



Cut-out	V	W	X	Y	Z
A	20.0	27.0	—	—	—
B	—	—	24.0	24.0	19.0
C	—	—	24.5	26.2	16.7
D	—	—	21.5	24.0	18.0

224171

XLR Type - In-line



Free plug L = 65.5, Dia. = 20	Free socket L = 67.5, Dia. = 20	Free plug L = 65.5, Dia. = 20	Free socket L = 67.5, Dia. = 20
----------------------------------	------------------------------------	----------------------------------	------------------------------------

- Lower cost versions of the metal backcap 7000 range
- Backcaps moulded from glass reinforced plastic (black)
- Metal connector housings same as 7000 series
- Female sockets feature stamped and formed contacts
- Up to 20% lower cost than metal backcaps
- Silver plated contacts anti-tarnish finish

224172

No. of Poles	Order Code	1+	10+	50+	100+	+	+
Free Plugs Mfrs. List No. = 801-0♦00							
3	119-4077	4.98	4.75	4.46	3.53	--	--
4	119-4078	6.74	6.48	6.07	4.82	--	--
5	119-4079	11.12	10.63	10.02	7.96	--	--
Free Sockets Mfrs. List No. = 800-0♦00							
3	119-4080	5.84	5.62	5.26	4.17	--	--
4	119-4081	8.91	8.51	8.06	6.39	--	--
5	119-4083	13.35	12.78	12.01	9.53	--	--
Black Chrome							
Free Plugs Mfrs. List No. = 805-0♦00							
3	119-4084	5.57	5.33	5.04	3.98	--	--
4	119-4085	7.61	7.29	6.87	5.46	--	--
5	119-4086	12.45	11.91	11.24	8.92	--	--
Free Sockets Mfrs. List No. = 804-0♦00							
3	119-4087	6.35	6.03	5.68	4.49	--	--
4	119-4088	9.48	9.08	8.09	6.46	--	--
5	119-4089	13.82	13.26	12.45	9.89	--	--

♦ Denotes number of poles.

7000 Series



In Line and Panel - 3, 4 and 5 Pole

Nickel



224173

No. of Poles	Order Code	1+	10+	50+	100+	+
Free Plugs						
3	119-3897	5.45	4.98	4.43	4.04	--
4	119-3898	6.24	5.68	5.10	4.53	--
5	119-3899	9.72	8.86	8.06	7.22	--
Free Sockets						
3	119-3900	6.41	5.84	5.30	4.91	--
4	119-3901	8.58	7.86	7.13	6.32	--
5	119-3902	12.05	11.01	10.05	8.63	--
Panel Plugs						
3	119-3903	4.41	3.98	3.60	3.11	--
4	119-3904	5.45	4.98	4.56	4.04	--
5	119-3905	8.17	7.42	6.81	6.03	--
Panel Sockets						
3	119-3906	7.01	6.45	5.84	5.20	--
4	119-3908	8.17	7.42	6.81	6.07	--
5	119-3911	12.72	11.65	10.69	9.53	--



XLR Type - Black Chrome



Free plug
L=68.2,
Dia.=19.8
Cable entry = 2.8-8.0

Free socket
L=68.2,
Dia.=19.8

Panel plug
H=37.3,
W=23.1, D=30.6
Panel cut-out A

Panel socket
H=37.3,
W=27.4, D=37.1
Panel cut-out C

224174

No. of Poles	Order Code	1+	10+	50+	100+	+
Free Plugs Mfrs. List No. = 709-0◆00						
3	119-3912	5.45	4.98	4.46	4.04	--
4	119-3913	6.24	5.68	5.07	4.53	--
5	119-3914	9.72	8.86	7.90	7.22	--
Free Socket Mfrs. List No. = 708-0◆00						
3	119-3915	6.58	6.00	5.39	4.91	--
4	119-3916	8.58	7.86	7.03	6.32	--
5	119-3917	12.05	11.01	10.02	8.99	--
Panel Plugs Mfrs. List No. = 711-0◆00						
3	119-3918	4.41	3.98	3.56	3.11	--
4	119-3919	5.45	4.98	4.53	4.04	--
5	119-3920	8.14	7.42	6.77	6.03	--
Panel Socket Mfrs. List No. = 710-0◆00						
3	119-3921	7.01	6.45	5.75	5.20	--
4	119-3923	8.14	7.42	6.77	6.03	--
5	119-3924	12.75	11.65	10.72	9.53	--

◆ Denotes number of poles.

XLR Type - Universal Panel Mounting



H=31, W=26
D=27.3 max. (behind panel)

H=31, W=26
D=28.8 max. (behind panel)

- Screened metal panel mounting plugs and sockets
- Standard hole cut-out, for front or rear mounting
- Front mounting enabling the use of colour coding studs

224175

No. of Poles	Order Code	1+	10+	50+	100+	+
Panel Plugs Nickel Mfrs. List No. = 717-0◆00						
3	119-3936	6.52	5.70	5.02	4.20	--
4	119-3938	9.08	8.09	7.03	5.78	--
5	119-3939	13.15	11.72	10.21	8.41	--
Panel Plugs Black Chrome Mfrs. List No. = 719-0◆00						
3	119-3940	6.58	5.75	5.07	4.21	--
4	119-3941	9.08	8.12	7.03	5.78	--
5	119-3942	13.15	11.72	10.21	8.41	--
Panel Sockets Nickel Mfrs. List No. = 716-0◆00						
3	119-3943	7.45	6.61	5.78	4.72	--
4	119-3944	10.72	9.50	8.28	6.84	--
5	119-3945	14.79	13.19	11.46	9.47	--
Panel Sockets Black Chrome Mfrs. List No. = 718-0◆00						
3	119-3947	7.45	6.61	5.78	4.72	--
4	119-3948	10.72	9.50	8.28	6.84	--
5	119-3949	14.79	13.19	11.46	9.47	--

◆ Denotes number of poles.

XLR Type - 'NC' Series (BBC Approved)



Meeting the requirements of all major broadcasting authorities, this range of connectors has been designed for professional, industrial and commercial applications, wherever reliability and performance is the foremost requirement. A self-adjusting strain relief prevents damage to cable sleeve (no metal parts, no screws), yet withstands in excess of 50kg of stress. Nickel plated or matt black finish.

Contact rating 16A Housing Diecast zinc, sandblasted, copper and nickel or black chrome plated

Working voltage 150V AC

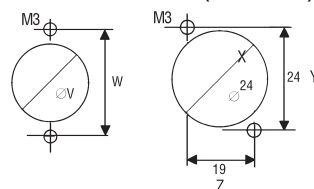
Contact resistance ≤3mΩ Isolator Plug Glass reinforced nylon Socket Glass reinforced polyester

Contacts Brass, mercury dipped and silver plated, tarnish resistant or 0.5 micron gold plated (black only)

Terminations Solder bucket

224181

Panel Hole Cut-Outs (Front Side)



Cut-out	V	W	X	Y	Z
A	20.0	27.0	-	-	-
B	-	-	24.0	24.0	19.0
C	-	-	24.5	26.2	16.7
D	-	-	21.5	24.0	18.0

224180

In Line and Panel - 3 to 7 Pole Nickel Shell, Silver Contacts



Free plug
L=69, Dia=19.2
Cable entry=2.8-8

Free socket
L=72, Dia=19.2

Panel plug
H=36.7, W=22
Panel cut out A

Panel socket
H=36.7, W=27
Panel cut out C

NC3MX and NC3FX available unassembled in bulk boxes of 100

231129

No. of Poles	Order Code	1+	10+	50+	100+	+
Free Plugs Mfrs. List No. = NC◆MX						
3	308-766	5.98	5.42	5.00	4.74	--
4	250-752	8.20	7.45	6.84	6.51	--
5	250-764	13.41	12.21	11.16	10.64	--
6	261-002	16.05	14.58	12.73	12.34	--
7	261-014	19.07	17.35	15.88	15.14	--
3 (Bulk Box 100)	388-6062	100+ 5.52	500+ 4.53	1K+ 4.43	5K+ 4.21	--
Free Sockets Mfrs. List No. = NC◆FX						
3	308-778	7.10	6.44	5.92	5.63	--
4	250-788	10.87	9.90	9.05	8.63	--
5	250-790	16.30	14.83	13.57	12.95	--
6	261-026	19.00	17.26	15.85	15.09	--
7	261-038	21.68	19.69	18.07	17.22	--
3 (Bulk Box 100)	388-6050	100+ 6.42	500+ 6.03	1K+ 5.68	5K+ 5.22	--
Panel Plugs Mfrs. List No. = NC◆MP						
3	308-791	5.59	5.10	4.67	4.43	--
4	250-818	7.30	6.65	6.08	5.79	--
5	250-820	11.97	10.88	9.96	9.50	--
Panel Sockets Mfrs. List No. = NC◆FP1						
3	308-780	7.89	7.17	6.58	6.24	--
4	250-843	11.57	10.52	9.64	9.17	--
5	250-855	17.49	15.91	14.56	13.88	--

◆ Denotes number of poles.

XLR Type - 90° Cable Entry - 3 Pole Nickel



A=40.5, B=65, Dia=26, Cable entry=3.8-7.5

231132

Mfrs. List No.	Order Code	1+	10+	50+	100+	+
NC3MRC	251-112	12.01	10.74	9.63	8.70	--
NC3FRC	251-124	13.70	12.35	10.99	10.18	--

XLR Type - In Line and Panel - 3 to 7 Pole Black Shell, Gold Contacts



Free plug
L=69, Dia=19.2
Cable entry=2.8-8

Free socket
L=72, Dia=19.2

Panel plug
H=36.7, W=22
Panel cut out A

Panel socket
H=36.7, W=27
Panel cut out C

231136

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products,
prices are subject to change without notice.

No. of Poles	Order Code	1+	10+	50+	100+	+
Free Plugs Mfrs. List No. = NC♦MXB						
3	308-808	7.36	6.67	6.12	5.83	--
4	250-879	9.96	9.05	8.30	7.91	--
5	250-880	15.75	14.32	13.12	12.50	--
6	261-040	18.16	16.50	15.14	14.42	--
7	261-051	21.87	19.89	18.23	17.35	--
Free Sockets Mfrs. List No. = NC♦FXB						
3	308-810	9.05	8.24	7.55	7.19	--
4	250-909	13.15	11.95	10.97	10.45	--
5	250-922	19.20	17.45	16.01	15.23	--
6	261-063	23.37	21.26	20.73	--	--
7	261-075	29.62	26.92	24.67	23.50	--
Panel Plugs Mfrs. List No. = NC♦MPB						
3	308-833	7.43	6.74	6.18	5.89	--
4	250-946	9.40	8.54	7.83	7.46	--
5	250-958	14.78	13.44	12.30	11.72	--
Panel Sockets Mfrs. List No. = NC♦FP1B						
3	308-821	9.93	9.04	8.28	7.89	--
4	250-971	13.81	12.55	11.50	10.95	--
5	250-983	21.90	19.89	18.25	17.39	--

♦Denotes number of poles.

XLR Connectors

XX Series



NEUTRIK



- Unique cage type female contact increases conductivity
- Female contact with solder stop for ease of soldering
- Male connector without locking window
- Improved chuck type strain relief
- New ground contact creates excellent contact integrity between chassis and cable connector
- Steel ergonomic design
- Colour coded bushes and coding rings available
- Compatible assembly tool

NEW

415521.407415

Poles	Mfrs. List No.	Order Code	1+	Price Each	10+	50+
Sockets - Nickel						
3	NC3FXX	999-1760	7.23	6.35	5.70	
4	NC4FXX	110-8201	11.10	10.55	9.76	
5	NC5FXX	110-8204	16.47	15.66	14.48	
6	NC6FXX	110-8208	19.20	18.26	16.86	
7	NC7FXX	110-8210	22.10	20.99	19.43	
Sockets - Black						
3	NC3FXX-BAG	999-1778	7.58	6.64	5.92	
4	NC4FXX-BAG	110-8203	12.21	11.59	10.74	
5	NC5FXX-BAG	110-8206	17.12	16.27	15.04	
Sockets - Black with gold contacts						
3	NC3FXX-B	999-1786	9.24	8.04	7.16	
4	NC4FXX-B	110-8202	13.41	12.73	11.78	
5	NC5FXX-B	110-8205	19.60	18.62	17.22	
6	NC6FXX-B	110-8209	23.83	22.62	20.93	
7	NC7FXX-B	110-8211	30.21	28.71	26.53	
Plugs - Nickel						
3	NC3MXX	999-1794	6.09	5.27	4.52	
4	NC4MXX	110-8212	8.37	7.94	7.36	
5	NC5MXX	110-8215	13.67	12.99	12.01	
6	NC6MXX	110-8217	16.34	15.53	14.35	
7	NC7MXX	110-8221	19.46	18.49	17.09	
Plugs - Black						
3	NC3MXX-BAG	999-1808	6.84	6.15	5.11	
4	NC4MXX-BAG	110-8214	9.02	8.56	7.91	

Poles	Mfrs. List No.	Order Code	1+	Price Each	10+	50+
Plugs - Black with gold contacts						
3	NC3MXX-B	999-1816	7.52	6.35	5.60	
4	NC4MXX-B	110-8213	10.16	9.63	8.92	
5	NC5MXX-B	110-8216	16.08	15.27	14.13	
6	NC6MXX-B	110-8218	18.52	17.61	16.28	
7	NC7MXX-B	110-8222	22.30	21.19	19.60	
Mounting Tool						
	HTXX	999-1921	40.56	--	--	--

Colour	Mfrs. List No.	Order Code	1+	Price Each	10+	50+
Colour Coded Bushes						
Brown	BXX1	999-1824	1.73	1.59	1.53	
Red	BXX2	999-1832	1.73	1.59	1.53	
Orange	BXX3	999-1840	1.73	1.59	1.53	
Yellow	BXX4	999-1859	1.73	1.59	1.53	
Green	BXX5	999-1867	1.73	1.59	1.53	
Blue	BXX6	999-1875	1.73	1.59	1.53	
Violet	BXX7	999-1883	1.73	1.59	1.53	
Grey	BXX8	999-1891	1.73	1.59	1.53	
White	BXX9	999-1905	1.73	1.59	1.53	
Black	BXX10	999-1913	1.73	1.59	1.53	

Colour	Mfrs. List No.	Order Code	1+	Price Each	10+	50+
Colour Coding Rings						
Brown	XXR1	100-4877	0.55	0.49	0.42	
Red	XXR2	100-4878	0.55	0.49	0.42	
Orange	XXR3	100-4879	0.55	0.49	0.42	
Yellow	XXR4	100-4880	0.55	0.49	0.42	
Green	XXR5	100-4881	0.55	0.49	0.42	
Blue	XXR6	100-4882	0.55	0.49	0.42	
Violet	XXR7	100-4883	0.55	0.49	0.42	
Grey	XXR8	100-4884	0.55	0.49	0.42	
White	XXR9	100-4885	0.55	0.49	0.42	
Black	XXR10	100-4886	0.55	0.49	0.42	

Heavy Duty XLR Type - 3 Pole

NEUTRIK

Plug
L=69, Dia.=19.2Socket
L=72, Dia.=19.2

Cable entry=2.8-8

- An extremely rugged 3-pole free plug and socket
- Suited for use in outdoor hostile environments
- Offering dust and water protection to IP65 when mated
- The plug's shell is of stainless steel
- The socket's shell and gland is of diecast zinc,
- An internal O-ring, a rubber jacket, and polyurethane strain relief
- Minimum IP54 rating with most other mating connectors or microphones

231140

	Mfrs. List No.	Order Code	1+	10+	50+	100+	+
Plug	NC3MXHD	152-307	17.36	15.56	13.88	13.02	--
Socket	NC3FXHD	152-308	17.36	15.56	13.88	13.02	--

XLR Type - Unified Panel Mounting

NEUTRIK

3 to 7 Pole

Panel plug
H=30, W=26, D=24.0 max (behind panel).
Panel cut-out B

- Screened, metal panel plugs and sockets
- Standard hole cut-out, for front or rear panel mounting
- Solder bucket terminals. Available with either plain screw fixing holes or tapped M3 thread.

224184

No. of Poles	Order Code	1+	10+	Price Each	50+	100+	+
Panel Plugs - Plain Fixing Holes Mfrs. List No. = NC♦MDL1							
3	250-995	7.23	6.58	6.02	5.76	--	--
4	251-008	9.14	8.32	7.63	7.26	--	--
5	251-010	13.87	13.30	--	--	--	--
6	261-087	19.20	17.45	16.01	15.22	--	--
7	261-099	23.94	21.77	19.96	19.00	--	--

5

Connectors - Audio

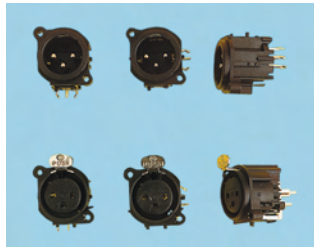
Compliant
Non-compliant
+ Limited stock - RoHS replacement available

RoHS

No. of Poles	Order Code	1+	10+	Price Each	50+	100+	+
Panel Sockets - Plain Fixing Holes Mfrs. List No. = NC♦FDL1							
3	251-021	7.89	7.17	6.58	6.24	--	--
4	251-033	11.31	10.29	9.43	8.98	--	--
5	251-045	17.77	16.14	14.81	14.09	--	--
6	261-105	23.50	21.35	19.60	18.65	--	--
7	261-117	28.45	25.88	23.70	22.59	--	--
Panel Plug - M3 Thread Fixing Holes Mfrs. List No. = NC3MDM3L1							
3	439-034	7.49	6.81	6.24	5.95	--	--
Panel Socket - M3 Thread Fixing Holes Mfrs. List No. = NC3FDM3L1							
3	439-046	8.15	7.39	6.81	6.47	--	--

♦ Denotes number of poles.

XLR Type PCB Mounting - Plastic



- Smallest size/highest packing density
- Gold plated TF contacts
- Fastening self tapping screws 2.9 x 1.06
- 3 or 5 pin versions

Flammability rating UL94V-0
 Female pin "1" and ground connected (A)
 Rated current 6A

224185

Panel Plugs - 3 Pin	Mfrs. List No.	Order Code	1+	10+	Price Each	50+	100+
Horizontal PCB	NC3MAH	724-543	1.89	1.73	1.56	1.50	
Lateral Right PCB	NC3MAHR	724-555	1.95	1.79	1.63	1.56	
Vertical PCB	NC3MAV	724-531	1.82	1.66	1.53	1.43	
Panel Sockets - 3 Pin							
Horizontal PCB & Pin "1"	NC3FAH1	724-518	2.41	2.18	2.02	1.92	
Lateral Right PCB & Pin "1"	NC3FAHR1	724-520	2.41	2.18	2.02	1.92	
Vertical PCB & Pin "1"	NC3FAV1	724-506	2.41	2.18	2.02	1.92	
Panel Plugs - 5 Pin							
Horizontal PCB	NC5MAH	802-0396	4.14	3.88	3.72	--	--
Vertical PCB	NC5MAV	802-0400	4.01	3.78	3.35	3.09	
Panel Sockets - 5 Pin							
Horizontal PCB	NC5FAH	802-0418	4.93	4.61	4.21	3.91	
Vertical PCB	NC5FAV	802-0426	4.23	4.04	3.61	3.39	

XLR Type PCB Mounting - 3 Pole Die Cast



NC3MD-V NC3MD-H NC3FD-V NC3FD-H
 H=30, W=26, D=26.7, Panel cut-out B

- Unified metal shell for male and female
- Insert premounted to PCB, shell to enclosure
- Front or rear mount
- RF protected
- Available with either plain screw fixing holes or tapped M3 thread

224187

	Mfrs. List No.	Order Code	1+	10+	Price Each	50+	100+	+
Plugs - Plain Fixing Holes								
Straight	NC3MDV	308-845	7.55	6.84	6.09	5.26	--	--
90°	NC3MDH	308-857	7.55	6.84	6.09	5.35	--	--
Sockets - Plain Fixing Holes								
Straight	NC3FDV	308-869	8.74	7.86	7.74	--	--	--
90°	NC3FDH	308-870	8.27	7.52	6.90	6.58	--	--
Plugs - M3 Thread Fixing Holes								
Straight	NC3MDM3V	439-058	7.43	6.74	6.18	5.89	--	--
90°	NC3MDM3H	439-060	7.49	6.81	6.24	5.95	--	--
Sockets - M3 Thread Fixing Holes								
Straight	NC3FDM3V	439-071	8.68	7.89	7.23	6.91	--	--
90°	NC3FDM3H	439-083	8.62	7.83	7.17	6.84	--	--
Fitting Tool	SD-1	269-803	7.38	6.84	6.65	--	--	--

XLR Chassis Connectors



- Metal XLR connectors
- Front or rear panel mount
- Unified 24mm Ø cutout
- Latching
- Solder bucket terminals
- Compact design for limited panel space

369532.345037

Description	Order Code	1+	10+	Price Each	25+	100+
Nickel						
Chassis Plug	804-5011	4.93	4.43	3.95	3.45	
Chassis Socket	804-5020	4.93	4.43	3.95	3.45	
Black						
Chassis Plug	804-5038	4.93	4.43	3.95	3.45	
Chassis Socket	804-5046	4.93	4.43	3.95	3.45	

XLR Adaptors, Attenuators & Gender Changers



Black



224188

Adaptors	Input	Output	Mfrs. List No.	Order Code	1+	10+	Price Each	50+
XLR Plug	3 pole 1/4" plug		739-0040	119-3989	18.69	17.01	15.70	
XLR Socket	3 pole 1/4" plug		739-0060	119-3990	19.02	17.37	15.86	
XLR Socket	2 pole 1/4" plug		739-0070	119-3993	17.02	15.54	14.19	
XLR Plug	Phono Plug		739-0080	119-3994	17.70	16.18	14.86	
XLR Plug	Phono Socket		739-0090	119-3996	16.36	14.86	13.67	
XLR Socket	Phono Plug		739-0100	119-3997	18.03	16.37	15.02	
XLR Socket	Phono Socket		739-0110	119-3998	16.69	15.18	14.03	
Attenuators								
XLR female	XLR male 10dB		739-0200	119-4000	28.04	25.55	23.37	
XLR female	XLR male 20dB		739-0210	119-4001	28.04	25.55	23.37	
XLR female	XLR male 30dB		739-0220	119-4003	28.04	25.55	23.37	
Gender Changers								
XLR Socket	XLR female		739-0010	119-4004	15.35	14.03	12.84	
XLR Plug	XLR male		739-0020	119-4005	14.69	13.35	12.36	

XLR Adaptors

Nickel



224189

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 prices are subject to change without notice.

Input	Output	Mfrs. List No.	Order Code	Price Each	
				1+	10+
XLR Socket	XLR Socket	NA3FF	439-137	17.40	15.70
XLR Socket	XLR Plug	NA3FM	439-150	16.86	15.12
XLR Socket	6.35mm S Jack Socket	NA3FJ	439-162	24.50	22.02
XLR Socket	6.35mm M Jack Plug	NA2FP	439-186	18.90	16.95
XLR Socket	6.35mm S Jack Plug	NA3FP	439-204	21.26	19.13
XLR Socket	Phono Socket	NA2FPMF	439-228	18.86	16.92
XLR Socket	Phono Plug	NA2FPMF	439-241	20.43	18.30
XLR Female	BNC Socket	NA2FBNC	416-9402	22.44	19.07
XLR Plug	XLR Plug	NA3MM	439-149	16.52	14.80
XLR Plug	6.35mm S Jack Socket	NA3MJ	439-174	24.08	21.67
XLR Plug	6.35mm M Jack Plug	NA2MP	439-198	18.90	16.95
XLR Plug	6.35mm S Jack Plug	NA3MP	439-216	21.26	19.13
XLR Plug	Phono Socket	NA2MPMF	439-230	18.86	16.92
XLR Plug	Phono Plug	NA2MPMF	439-253	20.43	18.33
XLR Male	BNC Socket	NA2MBNC	416-9414	21.86	18.59
XLR M-F	Phase Reverse	NA3FM-X	500-8694	17.25	14.68

X-Series Screened XLR Connectors



- 3 pole connector for digital audio
- Screening 50X better than standard XLR, up to 1.3Ghz -55db
- Ideal for use in high RF areas
- High performance glass reinforced plastic holds contacts securely in place

Electrical		Environmental	
No Contacts	3	Temperature Range	-30°C to 80°C
Rated Current	16A	Flammability	UL94-HB
Contact Resistance	≤3mΩ	Materials	
Insulation Resistance	≥1GΩ	Shell	Zinc Diecast Galvanised Nickel finish
Dielectric Strength	1500 Vdc	Inserts	Polyamide
Mechanical		Contacts-Male	Brass - Gold plated
Mating Cycles	1000	Contacts -Female	Bronze - Gold plated
Insertion/Withdrawal Force	≤20N		
Mating Cycles	1000		
Cable OD Range	3.5mm -8.0mm		
Max Wire Size	2.5mm ² -14 AWG		

232939

	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Female	NC3FXCC	388-6177	14.04	12.65	10.96	10.09
Male	NC3MXCC	388-6189	8.76	7.91	6.91	6.42

XLR Connectors with EMI Protection

EMC-XLR



XLR Socket NC3FX-EMC



XLR Plug NC3MX-EMC

- 3-pole cable connectors with integrated LC-filter to avoid RF interference and RF noise
- 360° shield contact on the female connector ensures the best possible shielding and chassis contact
- Design guarantees a continuous RF-shield connection but avoids ground loops

Applications:

- RF sensitive applications
- Critical systems
- Applications near radio systems, cell phones, lighting installations etc

Electrical Specification		Mechanical Specification	
Poles	3	Life time (mating cycles)	>1000
Rated Current (per contact)	5A	Cable Ø Range	4.0mm -7.0mm
Shielding effectiveness	>55dB bei 1Ghz	Wiring	Soldered, 24-20 AWG
Contact Resistance	≤3mΩ	Operating Temperature	-30°C to +80°C
Insulation resistance	≥2GΩ	Flammability	UL94-HB
Dielectric Strength	1500 VDC	Housing	Zinc diecast
		Insulation	PA 6.6, 30% GR
		Contacts	CuSn6, gold plated

414749, 435054

	Mfrs. List No.	Order Code	Price Each			
			1+	10+	25+	50+
XLR Plug						
Nickel	NC3MX-EMC	999-1948	16.93	16.08	14.88	14.09
XLR Socket						
Nickel	NC3FX-EMC	999-1930	20.51	19.50	18.03	17.09

Loudspeaker Connectors



4mm, Wide Cable Entry



L=48.75, Dia. = 10, Cable entry = 7.1 max.

Current rating 10A
Contact resistance 10mRmax.

224195

4mm plugs suitable for large diameter loudspeaker cable. The plugs feature a large solder bucket, which may be crimped, and will accept a conductor of 5.5mm diameter. Also available with extra screw termination option. Finished with nickel or 0.5 micron gold plated contacts, and a red or black acetel screw-on-cover.

Mfrs. List No.	Order Code	1+	5+	50+	100+	+
Nickel - Solder Termination						
579-0500 Red	119-3884	2.08	1.95	1.73	1.53	--
579-0100 Black	119-3885	2.08	1.95	1.73	1.53	--
Gold - Solder Termination						
580-0500 Red	119-3886	3.55	3.35	2.93	2.64	--
580-0100 Black	119-3887	3.55	3.35	2.93	2.64	--
Nickel - Screw Termination						
583-0500 Red	119-4016	2.21	2.02	1.82	1.66	--
583-0100 Black	119-4017	2.21	2.02	1.82	1.66	--
Gold - Screw Termination						
584-0500 Red	119-4018	3.52	3.39	3.29	2.90	--
584-0100 Black	119-4019	3.52	3.39	3.29	2.90	--

'Speakon' - Loudspeaker Connectors 2 Pole



- 2-pole SPEAKON version
- High current contacts - non arcing
- Positive Keying and Latching
- Plug mates with 4 pole socket

- Small size
- Fully CE marked
- EMC shielded. Specifications as per pole below

224197

	Mfrs. List No.	Order Code	1+	10+	50+	100+	+
Plug	NL2FC	310-4394	5.70	5.25	4.93	4.51	--
Socket	NL2MP	310-4400	4.17	3.85	3.56	3.21	--

'Speakon' Loudspeaker Connectors - 4 Pole



Meeting the requirements of all major broadcasting authorities, these rugged, 'Quicklock' latching 4-pole connectors are for professional loudspeaker/amplifier interconnections. For ease of assembly, all terminations are solderless. The chassis socket is airtight, and fits cut-outs for existing audio connector types. The coupler enables in-line connection of two plugs for cable extensions.

All contacts are 'touch proof' and meet the safety requirements of IEC65/348.

Current rating	30A rms (per contact) continuous	Housing	PA6, 30% GR
Operating voltage	250V ac	Contacts	Zinc alloy, silver plated
Test voltage	4250V pp		
Contact resistance	≤3mR(5000 operations)	Insulator	PA6, 15% GR
Insulation resistance	>10 ⁸ Ω	Temperature range	-30°C to 80°C

- Sockets available with faston or screw termination
- Jack adaptor allows a standard 1/4" jack plug to fit into the back of a Speakon plug -Max current 6A
- Moisture gland prevents moisture and condensation entering the rear of the plug
- Right angle converter allows users to quickly change the NL4FX plug from straight to right angle and back again as required. No need to remove the plug from the lead - Just unscrew the backshell, clip the converter round the lead and screw backshell in to place.

Compliant
Non-compliant
Limited stock - RoHS replacement available

RoHS

	Mfrs. List No.	Order Code	1+	10+	50+	100+	+
Plug	NL4FX	416-9426	9.69	8.25	7.74	6.79	--
Socket-Faston	NL4MP	152-306	3.91	3.55	3.26	3.09	--
Socket-Screw	NL4MP-ST	388-6219	7.32	6.87	6.38	5.89	--
Coupler	NL4MMX	439-101	9.96	9.53	--	--	--
Jack Adaptor	NA4LJ	388-6190	15.54	13.87	12.84	11.17	--
90° Angle Converter	LRX	416-9438	3.09	2.80	2.57	2.51	--

Coloured 'Speakon' Plugs



A range of 4-pole Speakon plugs fitted with coloured strain reliefs to aid identification.

224198

Colour	Mfrs. List No.	Order Code	1+	10+
Red	NL4FX-2	802-0477	9.60	8.72
Yellow	NL4FX-4	802-0485	8.59	7.94
Green	NL4FX-5	802-0493	8.59	7.94
White	NL4FX-9	802-0507	8.59	7.94

4-Pole 'Speakon' Loudspeaker Connectors STX Series



The new Speakon® STX Series is the next generation of 4-pole Speakon® connectors especially designed for loudspeaker - amplifier connections in harsh and demanding environment such as professional touring.

The STX Series features a metal housing which is extremely rugged and durable; built-in gaskets make it weatherproof. The new series offer beside the female cable connector and male receptacle now also a 4-pole male cable connector and female chassis connector.

- All-metal housing makes the STX Series rugged and durable
- Weatherproof built-in gasket meets IP54 protection class
- 4 type range - also male cable connector and female receptacle
- Ideal product for touring applications and harsh environments
- Best electrical performance up to 50 Amps
- One piece chuck design provides the attachment of 6 to 16mm O.D. cable
- Uses precise "quick lock" system
- Easy to assemble - Cable Connector has only 3 pieces
- Mates with all currently available 4 pole Speakon® products

Rated current per contact	40A rms continuous 50A audio signal, duty cycle 50%
Rated insulation voltage	250V AC
Contact resistance after lifetime	<2 mΩ
Insulation resistance	> 10GΩ
Dielectric strength	4kV peak
Cable O.D. range	9 - 16mm
Temperature range	-30°C to +80°C
Protection class	IP54 (mated condition)
Housing	Female: Brass (CuZn39Pb3), Male: Copper (Cu)
Contacts	Zinc diecast (ZnAL4Cu1)

339640

Description	Mfrs. List No.	Order Code	1+	10+	25+
Female	NLT4FX	500-8426	17.36	14.76	13.81
Male	NLT4MX	500-8438	17.49	16.04	--
Chassis Female	NLT4FP	500-8440	15.43	13.12	12.11
Chassis Male	NLT4MP	500-8451	10.48	8.94	8.25

STX Series Series 8 Pole Speakon Connectors



- Robust metal housing designed for harsh and demanding environments
- Weatherproof (to IP54) design featuring sealing gaskets
- All metal housing
- Uses precise quick lock system
- Mate with all currently available Speakon products

NEW

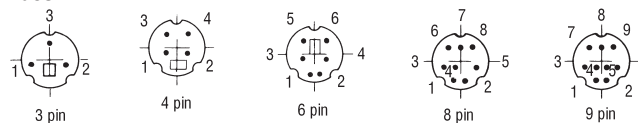
Current Rating	40A rms per contact	Housing	Polyamide
Voltage Rating	250V ac	Contacts	Brass, Spring copper
Contact Resistance	< 2mΩ	Dimensions (WxHxD)	38x38x35.5mm

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Description	Mfrs. List No.	Order Code	1+	5+	25+
Nickel Plug	NLT8FX	999-1956	31.02	30.04	26.59
Black-Chrome Plug	NLT8FX-BAG	999-1964	32.48	30.69	27.93
Nickel Socket	NLT8MP	999-1972	20.31	18.62	16.83
Black-Chrome Socket	NLT8MP-BAG	999-1980	20.83	19.27	17.15
Sealing Gasket	SCNLT	831-4608	1.47	1.39	--

Miniature DIN Style

Miniature DIN Contact Pole Configuration Viewed on Plug Mating Face



224200

Miniature DIN Type - Free Plugs and PCB Sockets



Free plug
L=51.6, Dia=14, Cable
entry = 5 max.

PCB socket
H=16.5,
W=14.3,
D=13.5

- For use with computer peripherals, video equipment (S-VHS)
- Audio/video applications where space saving is required. Manufactured in black plastic with solder pin.
- Cable termination. Cable clamps are available separately for the free plugs.
- The PCB sockets are screened and nickel plated.

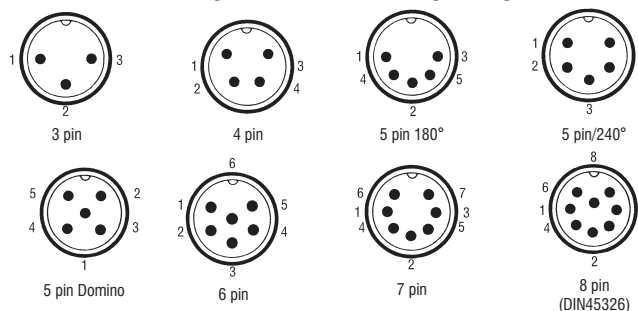
Contact rating	2A @ 12V dc, 1A @ 100V ac	Contact plating	Silver, 0.3µ
Contact resistance	30mΩ	Mating cycles	1000 min

224201

Free Plugs	Order Code	1+	25+	50+	100+	+
3 pin	152-207	2.44	2.28	2.05	1.86	--
4 pin	152-208	2.57	2.41	2.21	1.96	--
6 pin	152-209	2.71	2.57	2.34	2.05	--
8 pin	152-210	2.77	2.66	2.44	2.15	--
9 pin	152-391	3.40	3.11	3.02	2.54	--
PCB Sockets						
3 pin	152-211	3.10	2.82	2.66	2.38	--
4 pin	152-212	3.34	3.02	2.82	2.54	--
6 pin	152-213	3.54	3.21	3.02	2.66	--
8 pin	152-214	3.87	3.56	3.37	2.99	--
9 pin	152-392	5.18	4.78	4.56	3.82	--

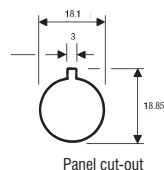
Cable Clamps (10 per pack)	1+	5+	+	+
210-973	2.90	2.66	--	--

DIN Contact Pin Configuration Viewed on Plug Mating Face



224202

DIN Type - Screw Locking



Free plug
L=65, Dia.=19
Cable entry=5.5
Current rating
Working voltage
Contact resistance
Temperature range

Free Socket
L=58.6, Dia.=19
Cable entry=5.5
4A
34V dc/24V ac
≤10mR
-20°C to 60°C

Panel socket
L=20.5, Dia.=20

Housing
Insulator
Contacts

Polyethylene
Polyamide 66, UL94V-2
Brass, tin plated

224189

Free Plug	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
3 pin	MAS 3100	496-820	3.84	3.27	2.66	2.41
4 pin	MAS 4100	496-844	4.59	3.86	3.18	2.73
5 pin 180°	MAS 5100 S 45	496-893	4.08	3.40	2.76	2.46
5 pin 240°	MAS 5100 60	496-881	4.04	3.37	2.73	2.44
6 pin	MAS 6100	496-911	4.34	3.66	2.99	2.63
7 pin	MAS 7100 S	496-935	4.61	3.85	3.15	2.79
8 pin	MAS 8100 S	(DIN 41524)	4.74	3.98	3.24	2.89
Free Socket						
3 pin	MAK 3100 S	496-674	4.69	4.08	3.21	2.82
4 pin	MAK 4100	496-698	4.42	3.67	3.02	2.66
5 pin 180°	MAK 5100 S 45	496-741	4.88	4.17	3.37	3.02
5 pin 240°	MAK 5100 60	496-730	4.88	4.14	3.37	3.02
6 pin	MAK 6100	496-765	5.31	4.46	3.60	3.27
7 pin	MAK 7100 S	496-789	5.20	4.40	3.56	3.18
8 pin	MAK 8100 S	(DIN41524)	4.96-807	5.61	4.69	3.85
Panel Socket						
3 pin	MAB 3100 S	496-418	3.71	3.11	2.52	2.23
4 pin	MAB 4100	496-443	3.87	3.27	2.66	2.38
5 pin 180°	MAB 5100 S 45	496-510	3.82	3.24	2.60	2.30
5 pin 240°	MAB 5100 60	496-509	3.82	3.24	2.60	2.30
6 pin	MAB 6100	496-558	4.44	3.69	3.02	2.76
7 pin	MAB 7100 S	496-595	4.38	3.67	2.98	2.63
8 pin	MAB 8100 S	496-649	4.42	3.70	3.02	2.66

DIN Type Connectors
MAS, MAK and MAWI

● DIN connectors for a variety of uses
● Insulated handle, solder tabs

● Manufactured to DIN41524
● Supplied with polyethylene bag

Rated voltage
Rated current
Contact resistance

34V
≤4A
≤4mR

Maximum wire size
Temperature range

0.34mm²
-20°C to 60°C

Mfrs. List No. LB2 panel socket, LB3 switched panel socket

224206

Free Plugs	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
3 pin	MAS 30	809-743	2.44	2.15	1.41	1.22
5 pin 180°	MAS50S	809-767	2.80	2.50	1.60	1.44
5 pin 240°	MAS50	809-755	3.01	2.63	1.73	1.51
6 pin	MAS60	809-779	2.84	2.54	1.64	1.44
7 pin	MAS 70 S	809-780	3.07	2.70	1.77	1.57
8 pin	MAS 80 S	809-792	3.88	3.43	2.23	1.98
Free Plugs 90°						
5 pin 180°	MAWI50 SB	809-809	4.89	4.37	2.82	2.52
6 pin	MAWI60 B	809-810	4.68	4.17	2.66	2.41
7 pin	MAWI70 SB	809-822	5.71	5.04	3.27	2.95
Free Sockets						
5 pin 180°	MAK 50 S	809-834	3.37	3.02	1.95	1.77

DIN Type Connectors
MAB

● DIN PCB mounting sockets
● Manufactured to DIN41524
● Depth MAB3H, MAB5SH 16.2/MAB5WH 16.5/MAB6H, MAB8SH 17.5

Rated voltage
Rated current
Contact resistance

34V
≤4A
≤4mR

Maximum wire size
Temperature range

0.34mm²
-20°C to 60°C

Mfrs. List No. LB2 panel socket, LB3 switched panel socket

224207

Socket	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
3 pin	MAB 3 SH	809-871	1.35	1.32	1.19	0.74
5 pin 180°	MAB 5 SH	809-883	1.50	1.44	1.35	0.83
5 pin Domino	MAB 5 WH	809-895	1.64	1.61	1.48	0.93
6 pin	MAB 6 H	809-901	2.03	1.99	1.80	1.09
8 pin	MAB 8 SH	809-913	3.70	3.60	3.31	2.02

Professional Range



A range of DIN screened plugs and sockets suitable for audio and computer applications, offering robust construction with cable clamp and strain relief. Nickel plated or mattblack finish.

Contact rating
Working voltage
Contact resistance
Temperature

4A
100V ac/dc max
≤10mR
-25°C to 70°C

Housing
Diecast, nickel plated or electronically conductive matt black finish

Insulator
Nylon

Contacts
Brass, silver plated

224209

DIN Type - Standard and Locking Plugs

Standard black
L=60.3, Dia=15.9Standard nickel
Cable entry = 5.5 max.Locking nickel
L=59.8, Dia=15.9
Cable entry = 5.5 max

224210

Standard, Nickel	Mfrs. List No.	Order Code	Price Each			
			1+	25+	100+	250+
3 pin	610-0300	119-3812	0.75	0.67	0.62	0.58
4 pin	610-0400	119-3847	2.51	--	--	--
5 pin 180°	610-0500	119-3813	2.60	--	--	--
5 pin 240°	610-0510	119-3814	2.65	--	--	--
5 pin 'Domino'	610-0520	119-3810	2.70	--	--	--
6 pin	610-0600	119-3815	2.98	--	--	--
7 pin	610-0700	119-3816	0.98	0.86	0.79	0.76
8 pin	610-0800	119-3834	1.34	1.18	1.14	1.10
Locking, Nickel						
3 pin	590-0300	119-3832	4.09	--	--	--
4 pin	590-0400	119-3849	3.91	--	--	--
5 pin 180°	590-0500	119-3833	4.23	--	--	--
5 pin 240°	590-0510	119-3795	4.00	--	--	--
5 pin 'Domino'	590-0520	119-3850	1.28	1.24	1.10	1.05
6 pin	590-0600	119-3798	1.32	1.28	1.16	1.11
7 pin	590-0700	119-3799	1.41	1.38	1.21	1.09
8 pin	590-0800	119-3800	7.20	7.05	6.48	5.88
Standard, Black						
3 pin	611-0300	119-3825	2.74	--	--	--
4 pin	611-0400	119-3858	2.74	--	--	--
5 pin 180°	611-0500	119-3826	2.84	--	--	--
5 pin 240°	611-0510	119-3859	2.74	--	--	--
5 pin 'Domino'	611-0520	119-3860	2.93	--	--	--
6 pin	611-0600	119-3861	3.21	--	--	--
7 pin	611-0700	119-3862	3.63	--	--	--
8 pin	611-0800	119-3863	3.81	--	--	--
Locking, Black						
3 pin	591-0300	119-3827	4.37	--	--	--
4 pin	591-0400	119-3864	1.29	1.21	1.12	1.10
5 pin 180°	591-0500	119-3828	4.56	--	--	--
5 pin 240°	591-0510	119-3865	1.34	1.29	1.14	1.10
6 pin	591-0600	119-3866	4.60	--	--	--
7 pin	591-0700	119-3868	5.02	--	--	--
8 pin	591-0800	119-3869	5.25	--	--	--

DIN Type - Line sockets



Suitable for mating with lockable and standard plugs within the range. Nickel plated.

Note: Latching is not guaranteed with DIN audio locking plugs of other ranges.

L = 57, Dia = 15.9, Cable entry = 5.5 max.

224211

	Mfrs. List No.	Order Code	1+	25+	100+	250+
3 pin	600-0300	119-3878	1.26	1.19	1.10	1.03
4 pin	600-0400	119-4011	1.31	1.24	1.16	1.09
5 pin 180°	600-0500	119-3881	1.25	1.21	1.11	1.04
5 pin 240°	600-0510	119-3882	1.25	1.21	1.11	1.04
6 pin	600-0600	119-4012	1.28	1.24	1.14	1.08
7 pin	600-0700	119-3883	1.29	1.26	1.22	1.11

DIN Type - Panel and PCB Sockets

Panel and PCB sockets suitable for either locking or standard screened plugs. The PCB sockets allow direct in-line connection to a PCB.

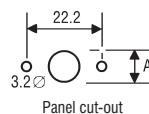
Contact rating	4A	Housings	Zinc cast, nickel plated or brass with electrically conductive matt black finish
Working voltage	100V ac/dc max	Insulator	Glass filled Nylon/Noryl
Contact resistance	≤10mΩ	Contacts	Brass, silver plated
Temperature range	-25°C to +70°C		

224212

DIN Type - Circular and Flange Mounting

119-3841
L = 19.3, Dia = 18, Panel cut-out = 16,
Panel thickness = 8.5 max.

119-3830

119-3822
L = 13.4

Panel cut-out

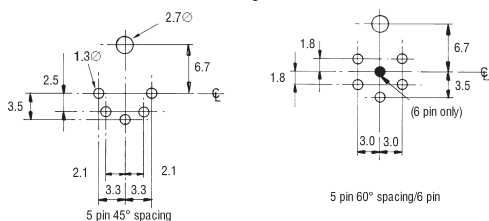
224213

	Mfrs. List No.	Order Code	1+	25+	100+	250+
Circular, Nickel						
3 pin	650-0300	119-3836	0.97	0.94	0.90	0.85
4 pin	650-0400	119-3852	3.35	--	--	--
5 pin 180°	650-0500	119-3837	3.81	--	--	--
5 pin 240°	650-0510	119-3838	1.14	1.10	1.03	1.00
5 pin 'Domino'	650-0520	119-3853	3.86	--	--	--
6 pin	650-0600	119-3839	1.23	1.19	1.11	1.07
7 pin	650-0700	119-3840	1.31	1.28	1.17	1.14
8 pin	650-0800	119-3841	4.60	--	--	--
Circular, Black						
3 pin	651-0300	119-3829	0.95	0.89	0.79	0.73
4 pin	651-0400	119-3870	0.99	0.91	0.85	0.80
5 pin 180°	651-0500	119-3830	4.14	--	--	--
5 pin 240°	651-0510	119-3871	1.07	1.01	0.90	0.85
5 pin 'Domino'	651-0520	119-3872	4.05	--	--	--
6 pin	651-0600	119-3873	1.17	1.11	1.00	0.94
7 pin	651-0700	119-3874	1.26	1.18	1.09	1.03
8 pin	651-0800	119-3875	1.28	1.19	1.14	1.07
Flange, Nickel						
3 pin	630-0300	119-3817	0.53	0.48	0.44	0.41
4 pin	630-0400	119-3851	1.53	--	--	--
5 pin 180°	630-0500	119-3819	2.19	--	--	--
5 pin 240°	630-0510	119-3821	2.19	--	--	--
5 pin 'Domino'	630-0520	119-3811	2.28	--	--	--
6 pin	630-0600	119-3822	0.69	0.62	0.60	0.58
7 pin	630-0700	119-3823	2.70	--	--	--
8 pin	630-0800	119-3835	3.26	--	--	--

DIN Type - PCB Mounting Sockets

L = 13.4, Dia = 15.8

PCB Drilling Patterns

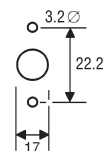


5 pin 45° spacing

5 pin 60° spacing/6 pin

224214

	Mfrs. List No.	Order Code	1+	25+	100+	250+
3 pin	690-0300	119-4013	1.01	0.94	0.78	0.76
5 pin 180°	690-0500	119-3854	1.10	1.01	0.84	0.76
5 pin 240°	690-0510	119-3856	3.16	--	--	--
6 pin	690-0600	119-3857	1.34	1.22	1.03	0.91
7 pin	690-0700	119-4014	1.32	1.18	1.07	0.99
8 pin	690-0800	119-4015	4.23	--	--	--
10 Per Pack			1+	5+	10+	50+
Mounting nuts	119-3986		7.06	6.77	6.21	5.42

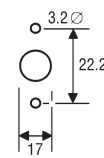
DIN Type - Bayonet Locking 1/4 Turn
Separate Colour Coding Rings AvailableFree Plug
L = 60, Dia. = 20Locking ring
Dia. = 20Panel socket
H = 19, W = 28.8
D = 20 (10.5 front
8 behind panel)

Panel cut-out

- Intermateable with industry standard bayonet locking ring types
- Coloured glass-filled locking rings in six colours
- Panel sockets coded with snap-in rings in same colours
- Black supplied as standard on all items

224216

	Mfrs. List No.	Order Code	1+	25+	100+	250+
Free Plugs						
3 pin	592-0301-01	119-4048	4.54	4.24	3.92	3.47
4 pin	592-0401	119-4049	4.74	4.46	4.08	3.63
5 pin 180°	592-0500	119-4050	4.94	4.62	4.21	3.79
5 pin 240°	592-0510	119-4051	4.94	4.62	4.21	3.79
6 pin	592-0600	119-4052	5.07	4.75	4.33	3.88
7 pin	592-0700	119-4053	5.43	5.12	4.66	4.17
8 pin	592-0800	119-4054	5.48	5.14	4.72	4.17
Plug Colour Coded Locking Rings			Price Per Pack			
20 Per Pack			1+	5+	10+	
Blue	592-0002	119-4055	11.84	10.66	9.34	
Green	592-0004	119-4056	11.84	10.66	9.34	
Red	592-0005	119-4058	11.84	10.66	9.34	
White	592-0006	119-4059	11.84	10.66	9.34	
Yellow	592-0007	661-960	11.84	10.66	9.34	
Mixed Pack (24), 4 of Each Colour			592-0000	119-4060	11.84	9.34
Panel Sockets			Price Each			
			1+	25+	100+	250+
3 pin	593-0300	119-4061	3.04	2.82	2.60	2.31
4 pin	593-0400	119-4062	3.34	3.15	2.86	2.54
5 pin 180°	593-0500	119-4063	3.51	3.31	2.99	2.66
5 pin 240°	593-0510	119-4064	3.51	3.31	2.99	2.66
6 pin	593-0600	119-4065	4.04	3.79	3.47	3.11
8 pin	593-0800	119-4067	4.88	4.53	4.14	3.69

DIN Type - Twin LockFree plug
L = 60, Dia = 20Free socket
L = 57, Dia = 17.2
Cable entry = 5.5 maxPanel socket
H = 19, W = 28.8
D = 20 (10.5 front,
8 behind panel)

Panel cut-out

The flanged panel sockets are for front or rear mounting.

224217

	Mfrs. List No.	Order Code	1+	25+	100+	250+
Free Plugs						
3 pin	71430-030/0800	119-3151	5.18	4.65	3.98	3.56
4 pin	71430-040/0800	119-3163	5.37	4.82	4.14	3.72
5 pin 180°	71430-050/0800	119-3154	5.71	5.20	4.24	3.92
5 pin 240°	71430-250/0802	119-3155	5.71	5.20	4.24	3.92
7 pin	71430-070/0800	119-3164	5.84	5.30	4.56	4.14
8 pin	71430-080/0800	119-3165	6.14	5.59	4.78	4.30
Free Sockets						
3 pin	71506-030/0800	119-3157	5.54	4.98	4.17	3.82
4 pin	71504-040/0800	119-3166	5.78	5.20	4.37	4.01
5 pin 180°	71506-050/0800	119-3158	5.91	5.26	4.40	4.04
5 pin 240°	71506-250/0802	119-3159	5.91	5.26	4.40	4.04
7 pin	71506-071/0800	119-3167	6.31	5.68	4.78	4.33
8 pin	71506-080/0800	119-3169	6.47	5.81	4.88	4.46
Panel Sockets						
3 pin	71206-031/0800	119-3160	3.27	3.05	2.79	2.50
4 pin	71206-040/0800	119-3171	3.43	3.21	2.95	2.60
5 pin 180°	71206-051/0801	119-3161	3.57	3.37	3.08	2.73
5 pin 240°	71206-050/0800	119-3162	3.57	3.37	3.08	2.73
7 pin	71206-070/0800	119-3172	5.40	5.07	4.65	4.14
8 pin	71206-080/0800	119-3173	5.64	5.26	4.85	4.30

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products,
prices are subject to change without notice.

DIN Type - Twist Lock PCB Mounting Sockets



Straight
H = 19, W = 28.8,
D = 20 (10.5 front of flange)

90°
H = 20, W = 23, D = 27

preh

224219

	Mfrs. List No.	Order Code	1+	25+	100+	250+
Straight						
3 pin	71252-030/0800	119-3178	3.94	3.56	2.99	2.73
5 pin 180°	71252-050/0800	119-3179	4.64	4.14	3.47	3.18
8 pin	71252-080/0800	119-3180	5.91	5.36	4.49	4.08
90°						
3 pin	71251-030/0800	119-3182	3.72	3.37	3.37	--
4 pin	71251-040/0800	119-3183	4.14	3.69	3.43	--
5 pin 180°	71251-050/0800	119-3184	4.70	--	--	--
5 pin 240°	71251-250/0800	119-3185	4.56	4.12	--	--
8 pin	71251-080/0800	119-3186	5.91	5.26	4.40	4.27

Miniature Circular Connectors

Mini XLR - 'Tini Q-G' Series

Switchcraft



Free plug
L = 51.7, Dia = 10.5
Cable entry = 3.0 dia

Free socket
L = 48.3, Dia = 10.5

Panel plug
Cut-out = 11, D = 17.5
Panel thickness = 7 max.

Panel socket
Cut-out = 15.2
Fix. cent = 17.1 11.4
H = 24.4, W = 18.8

- 'Tini Q-G' miniature latching instrumentation connectors, available in 3, 4 and 5 ways, having integrally moulded cable relief
- The all-metal bodies are precision machined and nickel plated
- Their small size makes them ideal for portable instruments and equipment

Current rating	3+4 pole 5A	Housing	Brass nickel plated
Working voltage	5 pole 4A	Circular plugs and panel sockets	Diecast zinc nickel plated
Contact resistance	125V ac	Square panel sockets	Copper alloy, Silver plated
Temperature range	≤10mR	Contacts	
	-55°C to +85°C		

224221

No. of Poles	Order Code	1+	10+	50+	100+	+
Free Plugs Mfrs. List No. = TA♦M						
3	119-2834	15.43	14.16	13.09	12.69	--
4	119-2835	28.69	--	--	--	--
5	119-2836	19.69	18.07	16.67	16.18	--
Free Sockets Mfrs. List No. = TA♦F						
3	119-2832	17.80	16.34	15.07	14.61	--
4	119-2837	19.24	17.64	16.28	15.79	--
5	119-2833	21.78	19.95	18.42	17.87	--
Panel Plugs Circular Mfrs. List No. = TB♦M						
3	145-141	16.76	15.36	14.16	13.74	--
4	145-142	19.53	16.44	15.17	14.71	--
5	145-143	20.18	18.46	17.02	16.50	--
Panel Sockets Square — Solder Lug Mfrs. List No. = TY♦FPC						
3	145-144	21.78	19.95	18.42	17.87	--
4	119-2889	22.26	19.89	19.30	18.46	--
5	697-898	30.58	29.44	28.73	27.35	--
Panel Socket Square — Straight PCB Mount Mfrs. List No. = TY♦FPC						
3	697-862	24.14	23.82	22.34	19.77	--
4	697-874	26.20	25.17	23.63	20.90	--
5	697-886	28.09	26.90	25.33	22.41	--

♦ Denotes number of poles

SR30 Multipole Connectors



HRS

Free plug L = 51.5, Dia = 13 Cable entry = 4.3 max	Panel socket Cut-out = 9, Dia = 18 Panel thickness = 7.5	Jack socket L = 53.5, Dia = 13 Cable entry = 4.3 max
--	--	--

- High quality, polarised, screw locking connectors
- Metal bodies and gold plated solder bucket contacts
- Designed for applications requiring reliable performance in a compact size
- Applications miniature microphones, radio communications and portable equipment

Current rating	1A	Housing	Brass and zinc alloy, chrome and nickel plated
Working voltage	100V ac, 140V dc	Insulator	Glass filled white polyacetal
Contact resistance	<10mR	Contacts	Plugs Gold plated brass
Insulation resistance	>200MR	Sockets	Gold plated copper alloy
Temperature range	-30°C to +85°C		

Mfrs. List No:	SR30-10PE-4P(71) = 119-2431	SR30-10R-6S(71) = 119-2434
	SR30-10PG-6P(71) = 119-2432	SR30-10JE-4S(71) = 119-2435
	SR30-10R-4S(71) = 119-2433	SR30-10JE-6S(72) = 119-2436

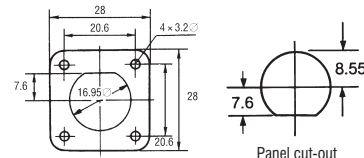
224224

No. of Poles	Order Code	1+	25+	50+	100+	+
Free Plugs						
4	119-2431	19.40	17.62	15.83	13.23	--
6	119-2432	17.92	17.24	16.08	14.80	--
Panel Sockets						
4	119-2433	15.05	13.74	12.33	10.24	--
6	119-2434	15.65	14.22	12.74	10.69	--
Jack Sockets						
4	119-2435	26.34	24.04	21.60	18.01	--
6	119-2436	27.18	24.85	22.28	18.49	--

Professional Circular Connectors

RMT15T Threaded Video 10 and 12 Pole 5A

HRS



Panel cut-out

10 and 12 pole circular connectors for video equipment applications. These connectors use solder terminations and have thread coupling lock mechanisms. An Allen Key, is required to release the free plugs and sockets. A rectangular flange is available to simplify panel mounting.

Current rating	5A	Housing	Aluminium alloy
Operating voltage	350V ac to 490V dc	Insulators	Diallyl phthalate, UL94V-0
Withstand operating voltage	1000V ac	Contacts	Brass, silver plated
Contact resistance	4mR max @ 1A dc	Pin	CDA alloy silver plated
Max cable entry	8mm	Socket	

Mfrs. List No:	RM15TPD-10P(71) = 119-2410	RM15TPD-12S(71) = 119-2409
	RM15TPD-12P(71) = 119-2411	RM15TJD-10S(71) = 119-2418
	RM15TRD-10P(71) = 119-2415	RM15TJD-12S(71) = 119-2419
	RM15TRD-12P(71) = 119-2417	RM15TRD-10S(71) = 119-2412
	RM15TPRG-10P(71) = 119-2416	RM15TRD-12S(71) = 119-2414
	RM15TPD-10S(71) = 119-2408	RM15TR-F = 211-977

224226

No. of Poles	Order Code	1+	50+	150+	250+
Free Plugs					
10	119-2410	24.11	21.73	20.83	20.19
12	119-2411	30.38	27.09	21.67	18.87
Panel Jack Plugs					
10	119-2415	14.72	13.06	10.50	9.08
12	119-2417	15.19	13.51	10.82	9.37
Panel Plug					
10	119-2416	21.46	18.87	18.30	17.82
Free Sockets					
10	119-2408	28.47	25.39	20.32	17.59
12	119-2409	30.25	27.06	21.64	18.75
Jack Sockets					
10	119-2418	15.89	13.90	13.51	13.16
12	119-2419	25.57	22.82	18.23	15.83

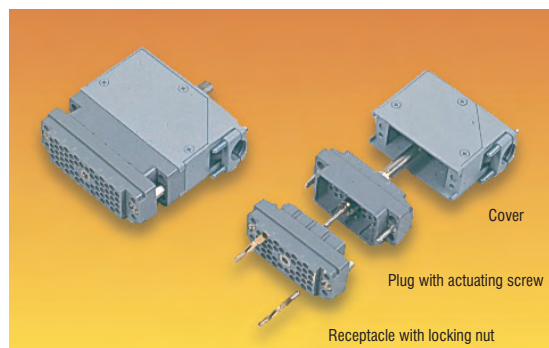
Compliant
Non-compliant
+ Limited stock - RoHS replacement available

RoHS

No. of Poles	Order Code	1+	50+	150+	250+
Panel Jack Sockets					
10	119-2412	11.05	10.02	9.63	9.31
12	119-2414	15.29	13.58	10.85	9.44
Rectangular Flange					
N/A	211-977	2.94	2.57	2.28	1.93

Rack and Panel Connectors

'516' Series Multipole Connectors - Polarised



A range of polarised multipole connectors for cable to panel and cable to cable applications. The connector bodies are manufactured in polycarbonate. The plug and receptacle bodies can be loaded with solder, mini-wrap or crimp contacts as the application requires (all contacts fitting both the plug and the receptacle). The actuating screw eases mating and unmating of connectors, and secures mated connectors together. Mounting kits also available comprising sufficient screws, washers and nuts to mount five locking nut connectors.

Polarising hardware permits 72 polarising combinations per contact pair. The covers are metal with a removable side plate, the cable clamp being adjustable to a top or side entry position. Contacts are phosphor bronze plate, gold over nickel.

Current rating	8.5A max.	Dielectric strength	1800V rms
Contact resistance	<6mR	Insulation resistance	25000MR @ 500V dc

224231

	Order Code	1+	10+	50+	100+	+
Plug with Actuating Screw						
20 pin Grey	151-019	16.79	16.05	15.63	10.98	--
38 pin Grey	145-150	17.73	15.05	13.39	10.69	--
56 pin Grey	145-152	13.93	--	--	--	--
90 pin Grey	151-020	29.87	28.41	25.58	22.21	--
Plug with Locking Nuts						
20 pin Grey	661-259	14.46	13.71	12.84	10.69	--
38 pin Grey	661-260	14.09	13.42	12.52	10.40	--
56 pin Grey	661-272	15.15	14.44	13.45	11.14	--
90 pin Grey	661-338	18.09	17.27	16.08	13.29	--
Receptacle with Actuating Screw						
20 pin Grey	661-340	20.23	19.23	18.04	14.96	--
38 pin Grey	661-351	22.47	21.22	19.81	16.88	--
56 pin Grey	661-363	21.64	20.58	19.23	15.86	--
90 pin Grey	661-429	35.92	34.38	32.39	27.48	--
Receptacle with Locking Nuts						
20 pin Grey	151-021	13.16	11.20	9.95	7.44	--
38 pin Grey	145-151	11.75	11.23	10.59	9.73	--
56 pin Grey	145-153	14.32	13.16	11.56	8.96	--
90 pin Grey	151-022	23.87	22.76	20.38	17.17	--
Covers						
20 pin Grey	151-023	21.15	18.67	16.38	--	--
38 pin Grey	145-154	19.89	18.22	16.00	--	--
56 pin Grey	145-155	25.98	23.70	20.50	--	--
90 pin Grey	151-024	27.44	25.45	22.91	--	--
Contacts (Pack of 100)						
Solder eyelet	145-156	34.09	32.77	31.07	29.85	--
Mini-wrap	145-157	698.24	--	--	--	--
Crimp	145-159	34.75	33.48	31.75	30.43	--

Tooling for '516' Connectors



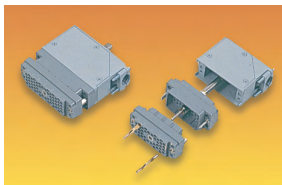
Mfrs. List Nos: 516-280-200 = 152-002 516-280-300F = 260-289

224232

	Order Code	1+	5+	10+
Ratchet crimp tool	152-002	269.07	255.63	250.36
Extraction tool	260-289	128.62	--	--

20,38,56,90 and 120 Way

Varicon Multipole Connectors



- Four large mating surfaces
- Fork type hermaphroditic contacts
- Self cleaning/wiping contacts
- Stable in vibration and adverse environments
- Applications microphone multicore connector
- Stage box connector
- Industrial multipole connector
- 120 way suitable for 40 channel stage box

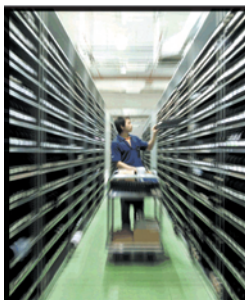
Current rating	8.5A	Insulation resistance	5000MR
Dielectric strength	1800V		

224233

No. of Ways	Order Code	1+	10+	25+	50+	+
Plugs with Actuating Screws						
Mfrs. List No. 00-80116-◆◆◆-000-001						
20 Grey	993-086	22.56	21.48	20.88	17.46	--
38 Grey	993-098	18.30	15.54	13.74	11.85	--
56 Grey	993-104	13.47	12.60	12.56	--	--
90 Grey	993-116	47.01	44.70	40.23	34.92	--
120 Grey	993-128	25.37	24.45	23.55	21.90	--
Socket with Fixed Nut						
Mfrs. List No. 00-80116-◆◆◆-000-007						
20 Grey	993-130	18.03	15.30	13.65	11.64	--
38 Grey	993-141	10.48	10.02	9.42	8.64	--
56 Grey	993-153	11.28	10.32	9.12	7.93	--
90 Grey	993-165	15.00	14.28	12.81	11.65	--
120 Grey	993-177	14.70	14.16	13.62	13.07	--
Plug with Fixed Nut						
Mfrs. List No. 00-80116-◆◆◆-000-002						
20 Grey	993-189	20.91	19.92	18.96	16.71	--
38 Grey	993-190	11.01	10.47	9.99	8.79	--
56 Grey	993-207	11.73	11.16	10.62	9.30	--
90 Grey	993-219	14.60	13.89	13.23	11.58	--
120 Grey	993-220	13.98	13.47	12.99	12.06	--
Socket with Actuating Screws						
Mfrs. List No. 00-80116-◆◆◆-000-008						
20 Grey	993-232	31.77	30.21	28.89	25.41	--
38 Grey	993-244	16.86	15.93	15.12	13.86	--
56 Grey	993-256	17.66	16.80	15.96	13.98	--
90 Grey	993-268	55.50	52.83	50.43	44.37	--
120 Grey	993-270	54.15	52.26	50.28	46.74	--
Price Each						
Cover						
20 way Side	993-323	27.50	26.85	26.16	23.43	--
20 way Top	993-335	29.90	28.05	26.16	23.43	--
38 way Side	993-347	35.00	34.19	33.35	29.80	--
38 way Top	993-359	35.00	34.19	33.35	29.80	--
56 way Side	993-360	34.29	33.38	32.53	29.12	--
56 way Top	993-372	34.29	33.38	32.53	29.12	--
90 way Top	993-384	55.06	53.66	52.26	46.80	--
120 way Top	970-979	39.00	37.67	36.69	32.83	--

◆ Denotes number of ways

Contacts (pack of 100)	Mfrs. List No.	Order Code	1+	10+	25+
Crimp	60-8017-0313-00-042	993-281	33.88	32.91	31.20
Solder Tag	60-8017-0513-00-339	993-293	30.20	29.07	27.57
Wire Wrap	60-8017-0613-00-339	993-300	30.20	29.07	27.57
Mini Wire Wrap	60-8017-0633-00-339	993-311	39.90	38.43	36.45



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