

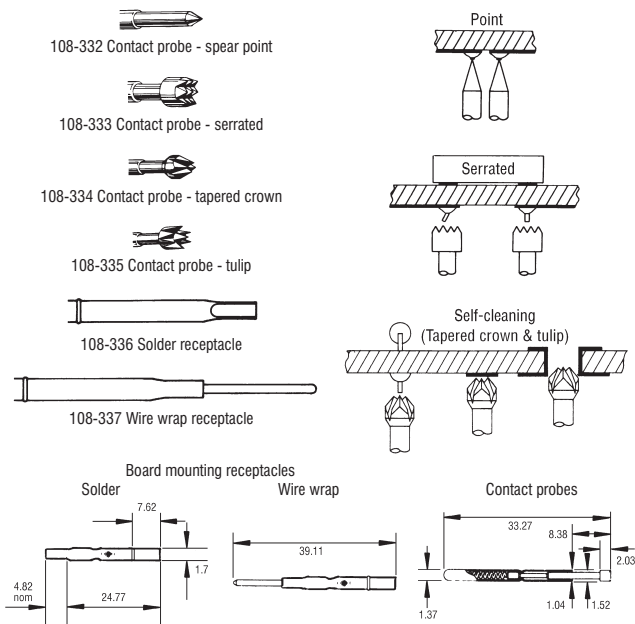
Connectors - Test

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PCB Test Probes

Spring Loaded Contact Probes and Receptacles

IDI



A range of professional spring loaded contact probes giving a full travel of 0.25" (6.35mm) designed to mate with either solder or wire-wrap receptacles. The probes are available with either a point, serrated or self cleaning tapered crown and tulip head styles and will suit most major manufacturers high speed vacuum ATE equipment.

Probes		Receptacles	
Maximum current	3A dc	Material	Nickel/silver, Gold plated with gold plated post
Full travel	6.35mm	Mounting hole size	1.73 to 1.76mm
Spring pressure:			
Pre-load	45g		
1/2 travel	113g		
Barrel	Gold Plated, Nickel/silver		
Spring	Stainless steel		
Recom. min. spacing	2.54mm		

Mfrs. List No: S25B4G = 108-332, S25X4G = 108-334, R25SC = 108-336,
S25H4G = 108-333, S25Y4G = 108-335, R25WW = 108-337

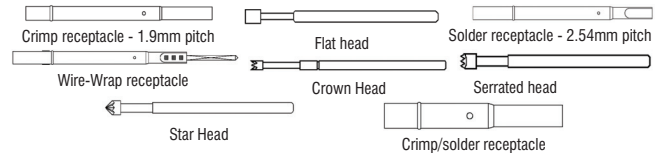
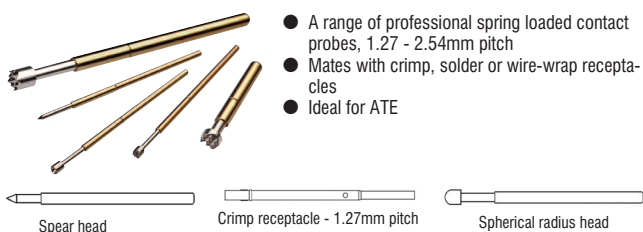
209768

Price Each

Order Code

Spring Loaded Contact Probes	
Pointed	108-332
Serrated	108-333
Tapered crown	108-334
Tulip	108-335
Receptacles for Contact Probes	
Solder cup type	108-336
Wire wrap type	108-337

Two Part Contact Probes Spring Loaded

HARWIN


Receptacles

Material:
Material Finish

Phosphor Bronze
Gold

Mfrs. list No.
P13-**23
P19-**21
P25**23
P25**26

Full Travel
2.65mm
2.54mm
4.2mm
6.3mm

Spring Type
Music wire
Stainless steel
Music wire, Gold plated
Stainless steel

Test Pitch
1.27mm
1.90mm
2.54mm
2.54mm

414679

Mfrs.

List No.

Order Code

Price Each

Probes and Receptacle - 1.27mm Pitch

Probe	P13-0123	996-0104
Probe	P13-1123	996-0112
Probe	P13-2123	996-0120
Probe	P13-4023	996-0139
Receptacle	S13-503	996-0147

Probes and Receptacle - 1.90mm Pitch

Probe	P19-0121	996-0155
Probe	P19-1121	996-0163
Probe	P19-2221	996-0171
Probe	P19-4021	996-0180
Receptacle	S19-501	996-0198

Probes and Receptacle - 2.54mm Pitch

Probe	P25-0822	996-0201
Probe	P25-0123	996-0210
Probe	P25-0423	996-0228
Probe	P25-1223	996-0236
Probe	P25-4023	996-0244
Probe	P25-5223	996-0252
Contact, Solder	S25-022	996-0260
Receptacle	S25-212	996-0279
Receptacle	S25-512	996-0287

Probes and Receptacle - 2.54mm Pitch

Probe	P25F0126	634-554
Probe	P25F4026	634-566
Probe	P253226	634-578
Receptacle	S25346	634-608

Spring Loaded Plunger & Receptacle Probes



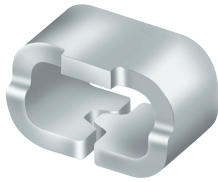
- 1.27mm / 2.54mm Test Pitch
- 120g / 250g Spring Pressure
- Durability - 10⁵ cycles

Specifications:-

Test Pitch	Full Travel	Spring Pressure	Current	Contact Resistance	Mounting Hole Size
1.27mm	2.65mm	120g	3A	50Ω	0.9mm
2.54mm	6.30mm	250g	3A	50Ω	0.9mm

Contact Material: Plunger = Full-hard beryllium copper, Receptacle = Brass
Contact Plating: Plunger = Gold over nickel, Receptacle = Gold

Surface Mount



- Ideal for use with most standard probes, clips and hooks
- Suitable for automatic or manual test
- Improved finished goods quality
- Strong and durable

Material Copper Alloy
Finish Tin / Lead
L = 3.25, W = 2.05, H = 2

335252

100 per Pack

Price Per Pack

Order Code

102-2338

SMOX SMT Test Points



Tape & Reel Test Points

New

Individual Test Points

Sockets

- Unique retention mechanism enhances reliability through low stress connections
- Minimum contact resistance ($\leq 2 \text{ m}\Omega$) through 8 points of contact
- Chamfer design allows excellent solder fillets to be formed
- Kinematic design allows rapid connection/disconnection
- Hand or automatic assembly
- Standard or Low Profile Test Points available
- Option to order Test Points on Tape & Reel

Specifications:-

Current Rating	3A	Material	Copper Alloy
Test Point Finish	Gold	Socket Finish	Silver
Socket Insulation	PTFE	Contact Resistance	2mohm
Socket Insulation Resistance	1000Mohm	Retention Force	0.2 Kg
Retention Force	0.2 Kg	Operating Temp.	-55°C to 125°C

529441

Profile

Price Each

Height Mfrs. List No.

Order Code

Test Points, Individual Pieces

1.4mm	SMOX/060/B1/LP GOLD	157-3279
2mm	SMOX/060/B1/R2K GOLD	157-3280

Price Each

Test Points, Tape & Reel Versions

1.4mm	SMOX/060/B1/LP/R3K GOLD	157-3281
2mm	SMOX/060/B1/R2K GOLD	157-3282

Price Each

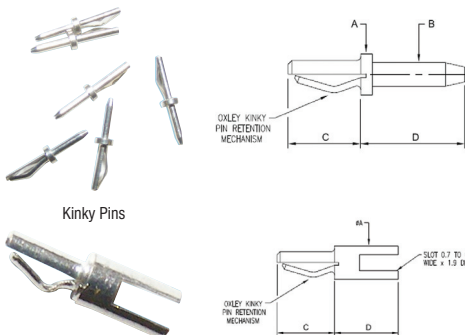
Sockets

Mfrs. List No.

Order Code

LS/B1/093 WHITE	157-3283
LS/B1/093 BLACK	157-3284
LS/B1/093 RED	157-3285

Kinky Pin Test Points



Kinky Pins

Turret Kinky Pins

- Unique kinked retention mechanism retains pin in PCB plated through hole (PTH) prior to soldering
- Low insertion force avoids damage to plating of PTH during assembly
- Slotted design enhances solderability & reliability
- Capable of hand and semi-automatic machine insertion

Specifications:-

Current Rating	7A	Material	Copper Alloy
Finish	Silver	Contact Resistance	5mohm
Operating Temp.	-55°C to 125°C		

Mounting Hole Diameters:- Prefix: 028/ - 0.68 - 0.84mm Prefix: 030/ - 0.81 - 0.96mm Prefix: 040/ - 0.96 - 1.12mm Prefix: 050/ - 1.21 - 1.37mm Prefix: 060/ - 1.50 - 1.65mm



New

New

New

New

New

New

New

New

New

New

Measurements (mm)

Mfrs. List No.	ØA	ØB	C	D	Order Code
028/30P/KP2 SILVER	1.6	0.9	2.8	4	157-3286
030/30P/KP2 SILVER	1.6	0.9	2.8	4	157-3288
040/30P/KP2 SILVER	1.6	0.9	2.8	4	157-3289
050/30P/KP2 SILVER	2.4	0.9	2.8	4	157-3290
060/30P/KP2 SILVER	2.4	0.9	2.8	4	157-3291
028/30P/LA/KP2 SILVER	1.6	0.7	2.8	4	157-3292
030/30P/LA/KP2 SILVER	1.6	0.7	2.8	4	157-3293
040/30P/LA/KP2 SILVER	1.6	0.7	2.8	4	157-3294
050/30P/LA/KP2 SILVER	2.4	0.7	2.8	4	157-3295
060/30P/LA/KP2 SILVER	2.4	0.7	2.8	4	157-3296
028/30P/KP2/L SILVER	1.6	0.9	2.8	6	157-3297
030/30P/KP2/L SILVER	1.6	0.9	2.8	6	157-3298
040/30P/KP2/L SILVER	1.6	0.9	2.8	6	157-3300
050/30P/KP2/L SILVER	2.4	0.9	2.8	6	157-3301
060/30P/KP2/L SILVER	2.4	0.9	2.8	6	157-3302
028/10P/30P/LA/KP2 SILVER	1.6	0.7	3.8	4	157-3303
030/10P/30P/LA/KP2 SILVER	1.6	0.7	3.8	4	157-3304
040/10P/30P/LA/KP2 SILVER	1.6	0.7	3.8	4	157-3306
050/10P/30P/LA/KP2 SILVER	2.4	0.7	3.8	4	157-3307
060/10P/30P/LA/KP2 SILVER	2.4	0.7	3.8	4	157-3308
028/10P/30P/KP2/L SILVER	1.6	0.9	3.8	6	157-3309
030/10P/30P/KP2/L SILVER	1.6	0.9	3.8	6	157-3310
040/10P/30P/KP2/L SILVER	1.6	0.9	3.8	6	157-3311
050/10P/30P/KP2/L SILVER	2.4	0.9	3.8	6	157-3312
060/10P/30P/KP2/L SILVER	2.4	0.9	3.8	6	157-3313

Turret Kinky Pins

028/T/KP2 SILVER	1.6	N/A	2.8	3.1	157-3314
030/T/KP2 SILVER	1.6	N/A	2.8	3.1	157-3315
040/T/KP2 SILVER	1.6	N/A	2.8	3.1	157-3316
050/T/KP2 SILVER	2.4	N/A	2.8	3.1	157-3318
060/T/KP2 SILVER	2.4	N/A	2.8	3.1	157-3319

Snale® Terminal Points

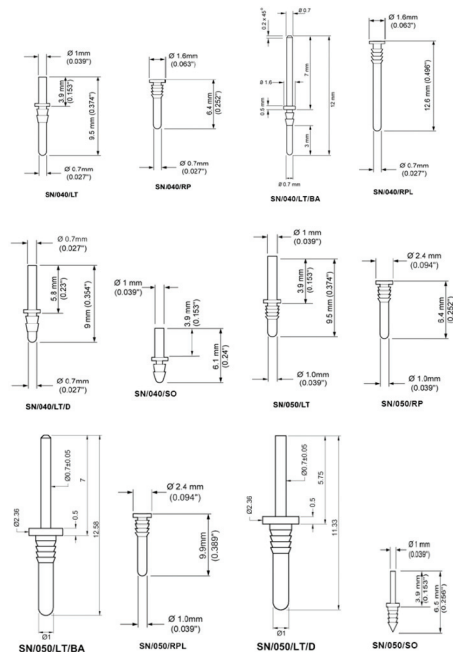


- High retention and rigidity
- Low insertion force allows easy hand assembly
- Serrated outline inhibits rotation

Specifications:-

Material	Brass	Finish	Silver
Contact Resistance	2mohm		

Mounting Hole Diameters:- Prefix: SN/040/ - 1.02mm Prefix: SN/040/ - 1.31mm



Pin Length Pin Ø

Price Each

Mfrs. List No.	(mm)	(mm)	Order Code
SN/040/LT SILVER	9.5	0.7	157-3320
SN/040/RP SILVER	6.4	0.7	157-3321
SN/040/LT/BA SILVER	12	0.7	157-3322
SN/040/RPL SILVER	12.6	0.7	157-3323
SN/040/LT/D SILVER	8.9	0.7	157-3324
SN/040/SO SILVER	6.1	1.09	157-3325
SN/050/LT SILVER	9.5	1	157-3326

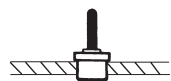
PCB Test Terminals - continued

Snale® Terminal Points - continued

Mfrs. List No.	Pin Length (mm)	Pin Ø (mm)	Order Code	Price Each
SN/050/RP SILVER	6.4	1	157-3327	
SN/050/LT/BA SILVER	12.58	0.7	157-3328	
SN/050/RPL SILVER	9.9	1	157-3331	
SN/050/LT/D SILVER	11.33	1	157-3332	
SN/050/SO SILVER	6.5	1	157-3333	

Press-Fit PTFE Components

Insulated (Stand Off) Miniature Terminals



A press-fit terminal suitable for soldering wires and components to.



Engineered for life

PCB/panel

Height Overall (mm)	Mounting Hole (mm)	Mfrs. List No.	Order Code
8.9	3.5	013-1000-040FB9	134-7800
8.9	2	003-1009-040FB9	134-7801

209753

Price Each

Order Code

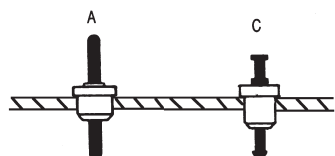
134-7800

134-7801

Insulated Feed-Through Terminals



Engineered for life



PCB/panel

Style	Order Code	Height Overall (mm)	Mounting Hole (mm)	Mfrs. List No.
A	134-7797	13.1	2.2	001-1007-040FB9
A	134-7796	13.1	3.5	011-1004-040FB9
C	134-7795	13.7	4	011-2049-040FB9

209754

Price Each

Style Order Code

A 134-7797

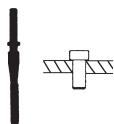
A 134-7796

C 134-7795

Two Piece Terminal



Engineered for life



● A loose fit bush that expands when the terminal is inserted

Height Overall (mm)	Mounting Hole (mm)	Mfrs. List No.	Order Code
15.87	2.3	201-1412-001FB0	134-7803
17.55	3.9	101-1411-001009	134-7802
		011-1409-041609	134-7798

209755

◆Note: Lug and bush are ordered separately

Price Each

Order Code

134-7803

134-7802

134-7798

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With no need to re-enter your details, returning customers can now buy products even faster - **order online today at** www.element14.com

1mm Plugs and Sockets

1mm Plug and Sockets

In-Line and Panel

MC



Current Rating
Rated Voltage
Termination
Contact Plating
PCB hole for panel mount socket

6A
30V ac / 60V dc
Solder
Gold
2.7mm

Mfrs. List No.
22.2070-22 22.1007 = 122-1004
22.2070-21 22.1007 = 122-1006
22.2070-22 22.1008 = 122-1007

Mfrs. List No.
22.2070-21 22.1008 = 122-1008
23.1010-22 = 122-5208
23.1010-21 = 122-5209

442024

Price Each

Press Fit	Order Code
In-Line Plug	
Red	122-1004
Black	122-1006
In-Line Socket	
Red	122-1007
Black	122-1008
Panel Socket - Press fit	
Red	122-5208
Black	122-5209

1mm Plug and Sockets, Mixed colour packs

In-Line and Panel

MC



Colour x 1 per pack: Blue, Green, Yellow, Purple, Brown

Current Rating
Rated Voltage
Termination
Contact Plating
PCB hole for panel mount socket

6A
30V ac / 60V dc
Solder
Gold
2.7mm

Mfrs. List No.
22.2070-23,24,25,26,27+22.1007 = 122-5206
22.2070-23,24,25,26,27+22.1008 = 122-5207
23.1010-23,24,25,26,27 = 122-5210

442033

Price Per Pack

Order Code
In-Line Plug
122-5206
In-Line Socket
122-5207
Panel Socket - Press Fit
122-5210

2mm Plugs and Sockets

2mm Plug 6A



Nickel plated brass 2mm pin and flexible shatterproof insulating sleeve. Solder connection. max lead dia. 1.9mm.

L=37, Dia.=4.8

Operating Voltage
Continuous load Current
Contact Resistance

50V
6A
6mΩ
Temperature range
Housing
Contacts
-20°C to +60°C
PVC
Brass, Nickel

Mfrs. List No. MST3+Colour

209818

Price Per Pack

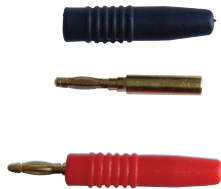
5 Per Pack	Order Code
Red	497-216
Black	497-228
Red, Black,	
Blue, Yellow, Green	497-241

www.element14.com



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2mm Banana Plug



Contact Material Brass
Contact Plating Nickel
Housing PVC
Length 32.5mm
Current Rating 10A
Voltage Rating 30VAC / 60VDC



601208

Colour	Order Code	Price Each
Red	169-9020	
Black	169-9021	

2mm Stackable Plug



Contact Material Brass
Contact Plating Nickel
Housing PE
Length 26.5mm
Current Rating 10A
Voltage Rating 30VAC / 60VDC



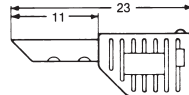
601214

Colour	Order Code	Price Each
Red	169-9018	
Black	169-9019	

2mm Hermaphrodite Stackable Plugs 7.5A



W=7.0, H=4.5



Stackable spring hollow tube manufactured from nickel plated beryllium copper

Current rating 7.5A
Operating voltage 30V ac/60V dc
Temperature range -40°C to +75°C
Housing Polyamide 6.6, UL94-HB
Contacts Beryllium Copper, Nickel plated
Termination Solder

Mfrs. List No. H291N+Colour

Colour	Order Code	Colour	Order Code	Colour	Order Code
Red	108-5441	Green	108-5443	Yellow	108-5445
Black	108-5442	Blue	108-5444		

209718

Price Each

All colours	
-------------	--

2mm Stackable Plugs 10A



Stackable plugs with gold plated multi-leaf bunch spring contacts.



H=5, W=7, L=26.5, Cable entry=2.1, Wire size 0.5mm² max.

Current rating 10A
Operating voltage 30V ac/60Vdc
Contact resistance 0.6mΩ
Temperature range -10°C to +70°C
Housing Polyamide, UL94V-2
Contacts Brass, Gold plated
Multileaf Beryllium Copper, Gold plated
Termination Solder

Mfrs. List No. 22.1004 + 22.2030-x, where x = 1-red, 2-blue, 4-black, 5-yellow, 6-green

209784

Colour	Order Code	Price Per Pack
Red	108-5489	
Black	108-5490	
Green	108-5491	
Blue	108-5492	
Yellow	108-5493	

2mm Panel Socket 10A



Low cost panel sockets with spring loaded gold plated contacts

L=23, Dia=6.5max., Panel thickness=8 max., Panel cut-out=5

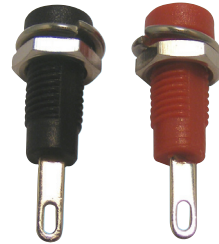
Current rating 10A
Voltage rating 30V ac/60V dc
Contact resistance 3mΩ
Temperature range -10°C to +80°C
Housing Polyamide, glass filled, UL94-HB
Contacts Beryllium Copper Gold Plating
Termination Solder eylet

209719

10 Per Pack

Colour	Order Code	Price Per Pack
23.0050-22 Red	108-5466	
23.0050-21 Black	108-5467	
23.0050-25 Green	108-5468	
23.0050-23 Blue	108-5469	
23.0050-24 Yellow	108-5470	

2mm Panel Socket



Contact Material Brass
Contact Plating Nickel
Housing ABS
Length 24mm
Termination Type Solder
Current Rating 6A
Voltage Rating 30VAC / 60VDC



601218

Colour	Order Code	Price Each
Red	169-8991	
Black	169-8992	

Horizontal Test Jack



A range of 2mm PCB mounting test sockets manufactured in moulded nylon and fitted with tin plated beryllium copper contacts. The test plugs may be inserted from either end.

H=5.16mm (above PCB),
W=3.96, L=11.51mm, Fixing centres=10.16mm



Current Rating 5A
Operating Voltage 1500V rms
Contact Resistance 5 mΩ Max.
Insertion Force 2.2N Min.
Withdrawal Force 16.7N Max.

601255

Colour	Mfrs. List No.	Order Code	Price Each
Red	M1353-99	177-3763	
Black	M1353-98	177-3764	
White	M1353-94	177-3765	

2mm Shrouded Sockets



Panel cut out (press fit)=8.2 (screw fixing)=8.6
Panel thickness min. 1.5 max. 10 (without spacer) min 1.5 max 6 (with spacer)

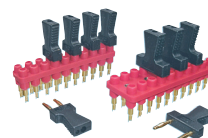
- Available in press fit or screw fixing
- IEC1010-2-031 compliant
- PCB/solder pin contact (L=8 Dia=2)
- Gold plated contacts
- Screw fixing version can be flush (2mm proud) or stand-off surface mounted (6.4 proud with stand off spacer)

Working voltage 600V/CATIII maximum current 10A

222458

Press Fit	Mfrs. List No.	Order Code	Price Each
Black	65.9193-21	108-5552	
Red	65.9193-22	108-5553	
Screw Fixing			
Black	65.9194-21	108-5555	
Red	65.9194-22	108-5556	

2mm Jumper Plugs & Socket Strips



- 20-pole socket strips for high quality test panels
- Jumper plugs with MC-Multilam for vibration proof contacts
- Insulated 2mm jumper plugs
- Gold plating offers low contact and corrosion resistance
- Socket / pin spacings of 6mm & 12mm
- Ideally suited for saving space in applications such as panels for testing and servicing in the aviation industry

2mm Plugs and Sockets - continued

2mm Jumper Plugs & Socket Strips - continued

Specifications:-

Current Rating	10A	Voltage Rating	33VAC / 70VDC
Contact Plating	Gold	Termination Method	Solder

528661

Price Each

Colour	Mfrs. List No.	Order Code
Socket Strips, 20 Pole, 6mm Grid Spacing		
Red	63.9356-22	167-7188
Black	63.9356-21	167-7189
Socket Strips, 20 Pole, 12mm Grid Spacing		
Red	63.9358-22	167-7190
Black	63.9358-21	167-7191

Price Each

Jumper Plugs, 6mm Pin Spacing

Red	63.9352-22	167-7192
Black	63.9352-21	167-7193

Jumper Plugs, 12mm Pin Spacing

Red	63.9354-22	167-7194
Black	63.9354-21	167-7195

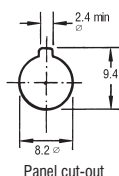
3mm Connectors

3mm 10A



317-093
L=30.6, Dia=11.2

317-111



Panel cut-out

Uses the O-Z principle which is devised to provide particularly low resistance so that heavy current contacts will not jump out under vibration.

Break down voltage	5kV dc	Housing	Polypropylene
Current rating	10A	Maximum cable entry for L378A3	4mm
Maximum temperature	+85°C		

209722

Price Each

	Mfrs. List No.	Order Code
Free Plug	L378A/3/RED	317-093
	L378A/3/BLACK	317-100
Panel Socket	L1317/RED	317-111
	L1317/BLACK	317-123

4mm Plugs and Sockets

4mm Connectors & Couplers



Socket to socket
L=44,
Dia.=10

Free socket
solder termination
L=48, Dia.=11

Insulated couplers for two 4mm dia. plugs or one plug and wire with solder connection.

Operating voltage	60V DC
Continuous load current	10A
Contact resistance	5mΩ max
Temperature range	-25°C to +70°C
Housing	PVC UL94-HB
Contacts	PVC (KUN30)
Max wire size solder	Brass, Nickel plated
Max wire size screw	2.5mm ²
	1.5mm ²

Mfrs. List No. KD10+colour Socket to socket, KUN30+colour Free socket, solder terminal, KUN10+colour Free Socket, Screw Terminal

209806

5 Per Pack

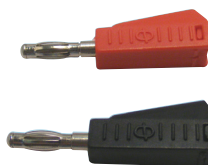
Price Per Pack

	Order Code
Socket to Socket	
Red	117-6447
Black	117-6448
Free Socket, Solder	
Red	117-6449
Black	117-6450
Free Socket, Screw	
Red	810-162
Black	810-150

Over 500 000 products available online



4mm Banana Plug



Contact Material	Brass
Contact Plating	Nickel
Housing	PE
Length	45mm
Current Rating	19A
Voltage Rating	30VAC / 60VDC

New

601219

Price Each

Colour	Order Code
Red	169-8987
Black	169-8988

4mm Banana Plug



Contact Material	Brass	Termination Type	Screw
Contact Plating	Nickel	Current Rating	24A
Housing	PVC	Voltage Rating	30VAC / 60VDC
Length	61.5mm		

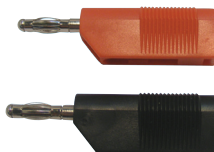
New

601229

Price Each

Colour	Order Code
Red	169-8963
Black	169-8964
Blue	169-8966
Yellow	169-8967
Green	169-8968

4mm Stackable Plug



Contact Material	Brass
Contact Plating	Nickel
Housing	PE
Length	52.5mm
Termination Type	Screw
Current Rating	30A
Voltage Rating	30VAC / 60VDC

New

601233

Price Each

Colour	Order Code
Red	169-8971
Black	169-8972
Blue	169-8973
Yellow	169-8974
Green	169-8975

4mm Plugs 10A



A range of tubular turned contact 4mm plugs with stainless steel spring contacts. They feature robust tubular solder bucket termination, enabling the plugs to be re-used many times.

L=43.5, Dia=8

Current rating	10A	Contacts:	Body	Brass, nickel plated
Housing	Acetal		Spring	Stainless steel

209724

Order Multiple=5

	Mfrs. List No.	Order Code
Red	550-0500-01	110-1098
Black	550-0100-01	110-1101
Green	550-0400-01	110-1102
Blue	550-0200-01	110-1103
Yellow	550-0700-01	110-1104
White	550-0600-01	110-1105

Price Each

4mm Stackable Plugs 10A



A range of solid turned contact 4mm plugs with a 4mm socket in the rear. Cable connection options, solder or screw (grub screw is accessed via socket tube), cable entry up to 1.5mm² cross section.

Contacts:	Body	Brass, nickel plated
	Spring	Stainless steel

Current rating	A10
Housing	PVC
L=50, W=10, H=11.5	

209725

Order Multiple=5

Colour	Mfrs. List No.	Order Code	Price Each
Red	553-0500-01	110-1099	
Black	553-0100-01	110-1106	
Green	553-0400-01	110-1107	
Blue	553-0200-01	110-1108	
Yellow	553-0700-01	110-1111	
White	553-0600-01	110-1112	

4mm Triple Contact Plug 10A

DELTRON Components


The screw-on cover has a large cable entry for audio or test leads and can be fitted after the lead has been made up. The plug has a low mating resistance and screw termination.

L=50, Dia=10, Cable entry=7.1,
Wire dia=3.5 max

Housing Acetal
Contacts Brass, Nickel plated
Current rating 10A

Mfrs. List No: 557-0500-01 = 110-1135 557-0100-01 = 110-1136

209726

Price Each

Colour	Order Code
Red	110-1135
Black	110-1136

4mm Bunch Pin Plugs 20A

DELTRON Components


The plug features multi-spring bunch pin contacts and a 4mm cross hole to enable multiple connections to one socket.

Current rating 20A
Housing PVC
Contacts Brass, Nickel plated

L=60, Dia=10

209727

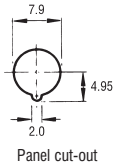
Price Each

Colour	Mfrs. List No.	Order Code
Red	555-0500-01	110-1120
Black	555-0100-01	110-1121
Green	555-0400-01	110-1123
Blue	555-0200-01	110-1124
Yellow	555-0700-01	110-1125
White	555-0600-01	110-1126

4mm Panel Sockets 10A

DELTRON Components


L=29, Dia=11.5,
Panel thickness=13 max.



A range of 4mm panel mounting sockets suitable for 4mm single pole, stackable or standard plugs. The turned contacts feature robust solder buckets for ease of solder termination.

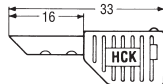
Contacts Brass, Tin plated
Current rating 10A
Housing Polypropylene

209728

Order Multiple=5

Colour	Mfrs. List No.	Order Code	Price Each
Red	563-0500-01	110-1100	
Black	563-0100-01	110-1113	
Green	563-0400-01	110-1115	
Blue	563-0200-01	110-1117	
Yellow	563-0700-01	110-1118	
White	563-0600-01	110-1119	

4mm Hermaphrodite Stackable Plugs 20A

MC


H=12.0, W=8.0

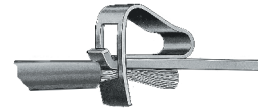
Current rating 20A
Operating voltage 60V DC ac/60V dc
Temperature range -40°C to +75°C
Housing Polyamide 6.6, UL94-HB
Contacts Beryllium Copper, Nickel plated
Termination Solder

209731

Order Multiple=5

Colours	List No.	Order Code	Price Each
Red	22.5068 + 22.2060-22	108-5430	
Red	22.5068 + 22.2060-22	108-5431	
Green	22.5068 + 22.2060-25	108-5432	
Blue	22.5068 + 22.2060-23	108-5433	
Yellow	22.5068 + 22.2060-24	108-5434	
White	22.5068 + 22.2060-29	108-5435	

4mm Cage Clamp Plugs 20A

WAGO


Cage clamp mechanism

H=15, W=8, L=40

Push to insert/release wire

The spring cage clamp is vibration proof, reliable and fast to operate. Simply strip the insulation back to 10mm and insert the wire by pressing the housing together fully. The cage clamp can accept either stranded or solid wire yet still have the same retaining force as a standard screw terminal.

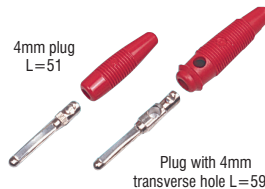
Current rating 20A
Operating voltage 380Vac (Group B)
Contact resistance 1.2mΩ
Test voltage 2500V
Housing Nylon 6.6
Contacts Copper, Tin plated
Temp. range -40°C to +105°C
Mfrs. List Nos: 51174966 = 128-3539 215-411 = 128-3541
50077010 = 128-3540 209770

5 Per Pack

Price Per Pack

Colour	Order Code
Red	128-3539
Black	128-3540
Green	128-3541

4mm Plugs 16A

HIRSCHMANN Test & Measurement


Fully mating universal plugs with shatter-proof insulating sleeve. The sleeve narrows at the end to prevent cable buckling. Available with or without 4mm transverse hole and screw terminations.

Operating voltage 50V
Continuous load current 16A
Contact resistance 3mΩ
Temperature range -25°C to +70°C
Housing PVC
Contacts Brass, Nickel plated

Mfrs. List No. VON20+ Colour, no hole, Screw-terminal
VON30+ Colour, no hole, Solder-terminal
VQ20+ colour, transverse hole, Screw-terminal
VQ30+ colour, transverse hole, Solder-terminal

209808

5 Per Pack

Price Per Pack

Order Code
4mm Plug, Screw Terminal
Black 125-6515
Red 125-6514

4mm Plug, Solder
Black 125-6522
Red 125-6523

4mm Plug with Transverse Hole
Black 125-6517
Red 125-6516
Blue 117-6473
Yellow 125-6502
Green 125-6503
Assorted 125-6519

4mm Plug, Transverse Hole, Solder
Black 117-6474
Red 117-6475
Blue 117-6476

4mm Plugs 32A

HIRSCHMANN Test & Measurement


- Laminated shatter-proof plug
- Caged spring and tapering sleeve
- Soldered connections up to 2.5sqmm²
- Cable diameters up to 4.2mm²

Rated voltage 60V dc Current rating 32A
Contact resistance 3mΩ
Temperature range -25°C to +70°C

Mfrs. List No. 972518-100 (black), 9725178-101 (red)

210045

5 Per Pack

Price Per Pack

Colour	Order Code
Red	125-6511
Black	125-6513

Over 500 000 products available online



4mm Plugs and Sockets - continued

4mm Bunch Pin Plugs 16A



Multiple-spring wire plug with shatter-proof flexible insulating sleeve and transverse 4mm hole. The sleeve narrows to prevent cable buckling. Solder or screw connection up to max. cross-section 1.5mm²

Operating voltage 60V dc
Continuous load current 16A
Contact resistance 3mΩ

Solder termination L=60.5, Dia.=11
Screw termination

Temperature range -25°C to +70°C
Housing PVC
Material Brass, Nickel plated

Mfrs. List No. BULA 20K + colour (screw), BULA 30K + colour (solder)

209807

5 Per Pack

Price Per Pack

Order Code	
Screw Termination	
Red	117-6439
Black	117-6440
Blue	117-6477
Yellow	125-6505
Green	125-6508
Assorted	117-6442
Solder Termination	
Red	117-6443
Black	117-6445
Blue	117-6478
Yellow	125-6509
Green	125-6510
Assorted	117-6446

FOR MORE INFORMATION & CHOICE

Product Search

Bunch Pin Plugs


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4mm Stackable Bunch Pin Plugs 30A



Universal plugs with cable inserted longitudinally or at right angles. Screw connection up to a maximum cable cross section of 2.5mm²

L=59

Operating voltage 60V dc
Continuous load current 30A
Contact resistance 3mΩ

Temperature range -25°C to +100°C
Housing Hostalen
Contacts Brass, Nickel plated

Mfrs. List No. VSB20+ Colour Massive connector, screw terminal
BSB20K+ Colour Multiple Spring Wire Connector, screw terminal

209809

5 Per Pack

Price Per Pack

Order Code	
VSB20	
Red	809-998
Black	809-986
Blue	810-009
Yellow	400-2910
Green	400-2921
BSB20	
Red	117-6434
Black	117-6435
Blue	810-010
Yellow	400-2933
Green	400-2945

4mm Stackable Connectors with Screw Connection

LAS N WS Series



- 4mm stackable connectors with caged spring
- Screw connection for leads from 0.5 mm² to 1.5 mm²
- Maximum outer diameter of lead 4.2 mm
- Simple assembly by 'Click System' without the need for a specialised tool

Rated voltage: DC
Rated current: mΩ
Contact resistance: mΩ
Contact material: Nickel plated copper beryllium

Housing material: PA
Flammability: UL94-HB
Operating temperature: to

415662

Price Each

Colour	Order Code
Black	101-1423
Red	101-1424
Blue	101-1425
Yellow	101-1426
Green	101-1427

4mm Panel Sockets 16A



Closed socket
Panel thickness=2 max.
L=23.5, Dia=10
Cut-out=8

Closed socket
Panel thickness=4 max.
L=23.5, Dia=10
Cut-out=8

Closed sockets are available for different panel thicknesses and can also be solder terminated.

Working voltage 60V DC dc
Temperature range -25°C to +85°C
Current rating 32A
Flashover 1500V max.
Contact resistance 5mΩ

Contacts Brass, Nickel plated
Terminations Solder (closed sockets)

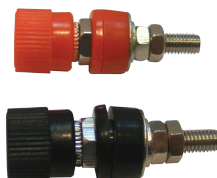
224276

5 Per Pack

Price Per Pack

Order Code	
Closed Socket, 2mm Panel Thickness	
Red	117-6427
Black	117-6428
Blue	117-6429
Yellow	859-084
Green	871-760
Closed Socket, 4mm Panel Thickness	
White	871-837
Red	117-6430
Black	117-6431

4mm Panel Socket



Contact Material Brass
Contact Plating Nickel
Housing ABS
Length 42.5mm
Current Rating 20A
Voltage Rating 1000V

New

601216

Price Each

Colour	Order Code
Red	169-9022
Black	169-9023
Blue	169-9024
Yellow	169-9025
Green	169-9026

4mm Non-Insulated Panel Socket 16A



Operating voltage 50V dc
Continuous load current 16A
Contact resistance 5mΩ

Temperature range -25°C to +100°C
Material Brass, Nickel plated

Overall length=BU10=22,
BU20=27
Installation=M6 x 0.75

Mfrs. List No. BU10, BU20

209822

5 Per Pack

Price Per Pack

Order Code	
BO10	117-6433
BU10	117-6436
BU20	810-289

4mm, Non-Insulated Panel Socket 16A



Suitable for insulated panels and colour coded for identification.

Overall length=24,
Installation=M6 x 0.75

Operating voltage	60V dc	Temperature range	-25°C to +85°C
Continuous load current	16A	Contacts	Brass, Nickel plated
Contact resistance	5mΩ		

Mfrs. List No. BUG 10+ Colour

209812

5 Per Pack

Price Per Pack

Order Code	
Red	117-6437
Black	117-6438
Assorted	117-6441

4mm Shrouded Panel Sockets 35A



- Pole terminal with claw edge and captive insulated head
- 4mm diameter nickel-plated brass threaded bolt with 2mm diameter transverse hole
- For insulated, non-rotating installation in equipment chassis with a wall thickness up to 2mm

Rated voltage	60V	Contact resistance	2mΩ
Current rating	35A	Temperature Range	-25°C to +100°C
Mfrs. List No.	930103-100 (black), 930103-01 (red), 930103-102 (blue), 930103-103 (yellow), 930103-104 (green), 930103-188 (yellow/green)		

210044

5 Per Pack

Price Per Pack

Colour	Order Code
PK110A BLUE Blue	401-7705
PK110A YELLOW Yellow	401-7717
PK110A GREEN Green	401-7729
PK110A YEL/GRN Yellow / Green	401-7730
PK110A RED Red	401-7742
PK110A BLACK Black	401-7754

4mm Shrouded Panel Sockets 16A



- Pole terminal with claw edge and captive insulated head
- Insulation ring
- 4mm diameter nickel-plated brass threaded bolt with 2mm diameter transverse hole
- For insulated, non-rotating installation in equipment chassis with a wall thickness up to 3.5mm

Contact resistance	2mΩ	Rated voltage	60V
Temperature range	-25°C to +100°C	Current rating	16A
Mfrs. List No.	931714-101 (red), 931714-102 (blue), 931714-103 (yellow), 931714-104 (green).		

210047

5 Per Pack

Price Per Pack

Colour	Order Code
Black	117-6479
Red	117-6480

4mm Shrouded Panel Sockets 16A



- Pole terminal with captive insulated head
- Crinkle washer for vibration proof fixing
- 4mm diameter nickel-plated brass threaded bolt with 2mm diameter transverse hole
- For insulated, non-rotating installation in equipment chassis with a wall thickness up to 3.5mm
- Approval, TUV

Rated voltage	60V	Contact resistance	2mΩ
Current rating	35A	Temperature range	-25°C to +100°C
Mfrs. List No.	PKI 100 + colour		

210048

5 Per Pack

Price Per Pack

Colour	Order Code
Black	125-6525
Red	125-6526
Green	125-6500

Technical information at your fingertips



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4mm Panel Socket



New



Contact Material	Brass
Contact Plating	Nickel
Housing	ABS
Length	28.5mm
Current Rating	25A
Voltage Rating	30VAC / 60VDC

601223

Price Each

Colour	Order Code
Red	169-8956
Black	169-8957
Blue	169-8958
Yellow	169-8959
Green	169-8960

4mm Panel Socket



New



Contact Material	Brass
Contact Plating	Nickel
Housing	ABS
Length	22.8mm
Current Rating	32A
Voltage Rating	30VAC / 60VDC

601224

Price Each

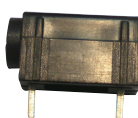
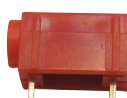
Colour	Order Code
Red	169-8950
Black	169-8951
Blue	169-8952
Yellow	169-8954
Green	169-8955

PCB Mount Socket



New

4mm



Contact Material	Brass
Contact Plating	Silver
Housing	ABS
Length	24mm
Termination Type	Solder
Current Rating	20A
Voltage Rating	30VAC / 60VDC

601220

Price Each

Colour	Order Code
Red	169-8982
Black	169-8983
Blue	169-8984
Yellow	169-8985
Green	169-8986

4mm PCB Sockets 16A



4mm test sockets for PCB measurement and testing during operation. Side stackable and can be screwed on to board with a self-tapping screw from the underside.

H=10.5, W=7.5, D=21, Fixing centres=17.5 x 1.2 dia.
Socket hole centre=7 (above board)

Operating voltage	50V dc	Temperature range	-25°C to +85°C
Continuous load current	16A	Housing	Makrolon, UL94V-1
Contact resistance	5mΩ	Contact material	Brass, Tin plated

Mfrs. List No. PB 4+ Colour

209817

5 Per Pack

Price Per Pack

Order Code	
Black	497-344
Red	497-332

4mm Adapters

4mm Adapter Plug - Socket



Also converts shrouded plugs to non-shrouded.

Connector Type A	4mm Banana Plug	Housing	ABS
Connector Type B	4mm Socket	Length	52.3mm
Contact Material	Brass	Current Rating	10A
Contact Plating	Nickel	Voltage Rating	30VAC / 60VDC

601235

Price Each

Colour	Order Code
Red	169-9002
Black	169-9004

4mm Socket - 2mm Plug Adapter



Connector Type A	2mm Banana Plug	Housing	ABS
Connector Type B	4mm Socket	Length	44.9mm
Contact Material	Brass	Current Rating	32A
Contact Plating	Gold	Voltage Rating	30VAC / 60VDC

601243

Price Each

Colour	Order Code
Red	169-9005
Black	169-9006

4mm Plug - 2mm Socket Adapter



Connector Type A	4mm Banana Plug	Housing	ABS
Connector Type B	2mm Socket	Length	43.8mm
Contact Material	Brass	Current Rating	10A
Contact Plating	Nickel	Voltage Rating	30VAC / 60VDC

601244

Price Each

Colour	Order Code
Red	169-9007
Black	169-9008

4mm Probe Adaptor



Connector Type A	2mm Probe	Housing	ABS
Connector Type B	4mm Socket	Length	51mm
Contact Material	Brass	Current Rating	10A
Contact Plating	Nickel	Voltage Rating	30VAC / 60VDC

601245

Price Each

Colour	Order Code
Red	169-9009
Black	169-9010

4mm Gender Changer



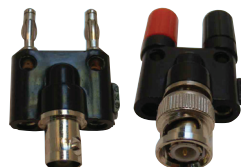
Connector Type A	4mm Socket	Housing	PVC
Connector Type B	4mm Socket	Length	42mm
Contact Material	Brass	Current Rating	24A
Contact Plating	Nickel	Voltage Rating	1000V

601235

Price Each

Colour	Order Code
Red	169-9011
Black	169-9012

4mm - BNC Adapters



Order Code	169-9000	169-9001
Connector Type A	BNC Socket	BNC Socket
Connector Type B	2 x 4mm Banana Plugs	2 x 4mm Binding Posts
Contact Material	Brass	Brass
Contact Plating	Nickel	Nickel
Housing	ABS	ABS
Voltage Rating	Hands Free Use: Max 500V	Hands Free Use: Max 500V

169-9000

169-9001

601249

Price Each

Order Code

169-9000

169-9001

Magnetic Adapters



- Magnetic adapter for connection of screw heads
- Rigid 4mm $\varnothing$ socket in insulator
- Accepts spring loaded 4mm $\varnothing$ plugs with rigid insulating sleeve
- 7mm / 11mm magnet $\varnothing$ available

Specifications:-

Current Rating	2A	Voltage Rating	1000V
Contact Plating	Nickel		

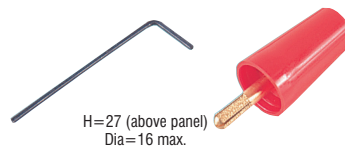
528669

Price Each

Colour	Mfrs. List No.	Order Code
7mm Magnet $\varnothing$		
Red	66.9516-22	167-7542
Black	66.9516-21	167-7543
11mm Magnet $\varnothing$		
Red	66.9515-22	167-7544
Black	66.9515-21	167-7545

4mm Shrouded Connectors

Adaptor



H=27 (above panel)
Dia=16 max.

Converts standard 4mm sockets into 4mm shrouded sockets. Covers existing 4mm sockets up to 13.5 dia. and 5mm high. The expanding brass plug has an internal grub screw to secure the assembly in 4mm diameter sockets. Allen key supplied.

Current rating	32A	Housing	Polyamide, UL94V-2
Operating voltage	1000V/CAT II	Contacts	Brass, Gold plated
Contact resistance	0.3m Ω	Temperature range	-40°C to +80°C

Mfrs. List No. 24.0160-x, where x = 1 - red, 4 - black

209792

2 Per Pack + Allen key

Price Per Pack

Colour	Order Code
Red	462-858
Black	462-860

4mm Shrouded Panel Sockets 16A



- Pole terminal with captive insulated head
- Crinkle washer for vibration proof fixing
- 4mm diameter nickel-plated brass threaded bolt with 2mm diameter transverse hole
- For insulated, non-rotating installation in equipment chassis with a wall thickness upto 3.5mm
- Approval, TUV

Rated voltage	60V	Contact resistance	2m Ω
Current rating	35A	Temperature range	-25°C to +100°C

Mfrs. List No. = PKI 100 + colour

210048

5 Per Pack

Price Per Pack

Colour	Order Code
Black	125-6525
Red	125-6526
Green	125-6500

Over 500 000 products available online



Shrouded Plugs



Overall length=50, Diameter=8.5,
Cable entry=4.0, Wire size=2.5mm²
max.

Slimline fully insulated safety plugs with fixed shroud. The centre pin has an insulated tip and multi-leaf bunch spring contact. Suitable for use with shrouded sockets. Manufactured to VDE0100/0110 and BG approved.

Current rating	32A	Housing	Polyamide, UL94V-2
Operating voltage	1000V	Contacts	Brass, Gold plated
Contact resistance	0.3mΩ	Termination	Solder Bucket
Temperature range	-10°C to +70°C		

209759

Price Per Pack

Colour	Order Code
Red	108-5461
Black	108-5462

Stackable Shrouded Plugs 32A



H=17, W=10, L=53,
Cable entry=4.0, Wire size=2.5mm²
max.

Fully insulated safety plugs with (non-removable) shroud. The centre pin has an insulated tip and multi-leaf bunch spring contact. Suitable for use with shrouded sockets. Manufactured to VDE 0100/0110, IEC1010-1 and BG approved.

Current rating	32A	Housing	Polyamide, UL94V-2
Operating voltage	1000V/ CAT II	Contacts	Brass, Gold plated
Contact resistance	0.3mΩ	Termination	Solder
Temperature range	-10°C to +80°C		

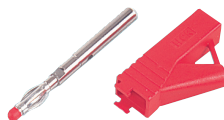
209734

5 Per Pack

Price Per Pack

Colour	Order Code
Red	108-5471
Black	108-5472
Green	108-5473
Blue	108-5474
Yellow	108-5476
White	108-5477

Stackable Shrouded Plugs 20A



H = 24, W = 10, L = 63

A range of stackable fully insulated plugs. The centre conductor features an insulated tip and multi-leaf bunch spring contact to the plug and a solid tube socket. Cable connection options, solder or screw (grub screw is accessed via socket tube), cable entry up to 1mm² cross section.

Current Rating	20A	Housing	Polyamide 66, UL94-HB
Operating Voltage	1000V CATII	Contacts	Brass, nickel plated
Temperature Range	-40°C to +75°C	Termination	Solder Bucket / Screw

209733

Mftrs.

Price Each

Colour	List No.	Order Code
Red	66.9649-22	108-5447
Black	66.9649-21	108-5449
Green	66.9649-25	108-5452

Retractable Shrouded Plugs 32A



- A 4mm stackable plug,
- CATII rating
- Screw connection for standard cable up to 2.5mm²
- Finger guard prevents accidental contact with live parts

Current Rating	32A	Contacts	, nickel plated
Voltage Rating	CATII	Termination	
Housing			

Mftrs. List No: 66.9328-XX where XX = 21-Black,22-Red,23-Blue, 24-Yellow, 25-Green

Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	108-4852	Red	108-4853	Blue	108-4854
Yellow	108-4855	Green	108-4856		

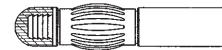
342570

Order Code

Price Each

All Colours

Retractable Shroud Plugs 32A



H = 15, W = 9.5, L = 53, Cable entry = 4.0

A 4mm stackable plug offering protection against accidental touching. A transparent sleeve over the multi-leaf bunch spring contact is spring loaded and retracts when the plug is connected into 4mm standard or shrouded sockets. A high temperature iron is required to attach the cable.

Current Rating	32A	Housing	Polyamide, UL94V-2
Operating Voltage	30Vac/60Vdc	Contacts	Brass, nickel plated
Contact resistance	1.8mΩ	Termination	Solder
Temperature Range	-10°C to +70°C		

Mftrs. List No: 22.1035 + 22.2340-22 = 108-5464 22.1035 + 22.2340-21 = 108-5465

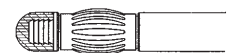
209758

5 Per Pack

Price Per Pack

Colour	Order Code
Red	108-5464
Black	108-5465

Right Angle Shrouded Plugs 32A



Height = 16 (above socket), W = 9.5, D = 32,
Cable entry = 4.0

Nickel plated fully insulated plugs with non-removable shrouds. The centre pin has an insulated tip and multi-leaf bunch spring contact. Suitable for use with shrouded sockets.

Current Rating	32A	Housing	Polyamide, UL94V-2
Operating Voltage	1000 CATIIV	Contacts	Brass, nickel plated
Contact resistance	0.3mΩ	Termination	Solder
Temperature Range	-40°C to +80°C		

209794

5 Per Pack

Price Per Pack

Colour	Order Code
Red	108-5531
Black	108-5532

Shrouded Sockets 24A



Press-Fit
Panel cut-out = 12.2±0.1
Panel thickness ≥1 metal ≥2 plastic

Screw Mount
Panel cut-out = 12 (M12 thread)
Panel thickness = 7 max.

Tab size = 4.8 x 0.8, Depth behind panel = 21 (terminal at 90°), Dia = 14.5 max.

Screw mount or press-fit insulated safety sockets for use with shrouded plugs. The 4.8mm tabs can be bent to 90°, once only where space is restricted.

Current Rating	24A	Housing	Polyamide, UL94V-2
Operating Voltage	CATII	Contacts	Brass, nickel plated
Contact resistance	0.8mΩ	Temperature Range	-40°C to +80°C

219836

Price Per Pack (5)

Order Code

Press Fit	Order Code
Red	108-5526
Black	108-5527
Assorted	108-5528
Screw mounted	Order Code
Red	108-5523
Black	108-5524
Assorted	108-5525

Over 500 000 products available online



4mm Shrouded Connectors - continued

Shrouded Sockets 32A

MC



Tab = 6.35 x 0.8, L = 33, Dia = 14.5 max Stud = M4 x 15, L = 39, Dia = 14.5 max
Panel thickness = 12 max., Panel cut-out = 12 (M12 thread)

Fully insulated safety sockets for use with shrouded plugs. Available in tab or stud termination. Stud termination can either be by the stud or via the solder bucket in the end of the stud. Manufactured to **VDE 0100/0110, IEC1010-1** and **BG** approved.

FOR PANEL ASSEMBLY TOOLS 225-071, **SEE WEBSITE**

Current Rating 1000V Contacts Brass, Gold, plated
Operating Voltage CATII Termination Screw or Solder
Temperature Range -40°C to +80°C

Mfrs. List No: Tab = 23.3060-x Stud = 23.3020-x
where x = 22-red, 23-blue, 29-white, 21-black, 24-yellow, 25-green

209736

5 Per Pack

Price Per Pack

Colour	Order Code	
Tab Termination		
Red	108-5459	
Black	108-5460	
Green	108-5478	
Blue	108-5479	
Yellow	108-5480	
White	108-5481	
Stud Termination		
Red	108-5482	
Black	108-5483	
Green	108-5484	
Blue	108-5485	
Yellow	108-5486	
White	108-5488	

Assembly Tooling

MC



Tooling for screw mount sockets

Mfrs. List No: 25.0020+25.0022 = 225-071 25.0033 = 462-949

209796

Socket Type	Order Code	Price Each
Screw mount	225-071	
Push-fit	462-949	

Straight Safety Connector, 4mm

LAS S G Series



- Screw connection for leads from 0.5 mm² to 1.5 mm²
- 4mm plug with caged spring
- Simple "click-system" assembly

Rated Voltage
Rated Current
Safety Standard
Temperature Range to

373937

Price Each

Colour	Order Code	
Black	828-2200	
Red	828-2218	
Green	828-2226	
Blue	828-2234	
Yellow	828-2242	

Angled Safety Connector, 4mm

LAS S W Series



- Screw connection for leads from 0.5 mm² to 1.5 mm²
- 4mm plug with caged spring
- Simple "click-system" assembly

Rated Voltage
Rated Current
Safety Standard 1000V CATIII
Temperature Range to

373944

Price Each

Colour	Order Code	
Black	828-2250	
Red	828-2269	
Blue	828-2277	
Green	828-2285	
Yellow	828-2293	

Stacking Safety Connector, 4mm

LAS S WS Series



- Stackable connection system
- Screw connection for leads from 0.5 mm² to 1.5 mm²
- 4mm plug with caged spring
- Simple "click-system" assembly

Rated Voltage
Rated Current
Safety Standard
Temperature Range

AC/DC

1000V Cat II
to

373946

Price Each

Colour	Order Code	
Black	828-1947	
Red	828-1955	
Blue	828-1963	
Yellow	828-1971	
Green	828-1980	

Safety Couplings, 4mm

KUN S Series



- 4mm safety coupling with screw connection
- for leads from 0.5 mm² to 1.5 mm²
- Maximum outer diameter of lead 4.2 mm
- 1000V System, IEC 61010, CAT III
- Simple assembly by 'Click System' without the need for a specialised tool

Rated voltage:
Rated current:
Standard / Measurement category:
Contact material:

1000V AC/DC
24A
IEC61010, CAT III
Nickel plated brass

Housing material: PVC
Flammability: UL94V-2
Operating temperature: -15°C to +70°C

415708

Price Each

Colour	Order Code	
Black	101-1437	
Red	101-1438	
Blue	101-1439	
Yellow	101-1440	
Green	101-1441	

Shrouded Sockets 24/32A



- Safety press-fit socket 4mm
- SEP2610 Faston 4.8 x 0.8mm
- SEP2620 Faston 6.3 x 0.8mm
- Manufactured to **DIN46244**
- For installation in equipment chassis with a wall thickness from 1mm to 10mm
- **IEC1010** compliant

Rated Voltage 1000V DC Contact resistance 5mΩ
Current Rating 24A (SEP2610) / 32A (SEP2620) Temperature Range -40°C to +80°C

Mfrs. List No: 972361 (SEP2610), 972362 (SEP2620) + colour code: 100(black), 101(red)

210052

5 Per Pack	Price Per Pack
Colour	Order Code
SEP2610	
Red	401-7547
Black	401-7559
SEP2620	
Red	401-7602
Black	401-7614

Shrouded Sockets 32A



- Safety built in socket 4mm
- Faston 6.3 x 0.8mm terminal
- Manufactured to **DIN46244**
- Contact material brass gold-plated
- For installation in equipment chassis with a wall thickness up to 6mm
- **IEC 1010** compliant

Rated Voltage 1000V DC
Current Rating 32A
Contact resistance 5mΩ
Temperature Range -40°C to +80°C

Mfrs. List No: 972356-100 (black), 972356-101 (red), 972356-102 (blue), 972356-103 (yellow)

210050

Price Per Pack

Colour	Order Code
Red	859-138
Black	859-140
Blue	400-2660

Shrouded N/O Contact Sockets 20A



6.35mm fast-on terminals



Electrical connection (N/O)

Max Dia = 14.5, L = 37
W = 14.5, L = 37
Panel cut-out = 12 (M12 thread), Panel thickness = 19 max.

A range of fully shrouded panel mounting sockets which mate with the stackable plugs above. They feature twin 6.35mm fast-on terminals which form half cradle contacts within the connector body. The half cradle contacts are connected to each other when a plug is inserted and thereby offer N/C or N/O capabilities.

Contact Rating 20A
Note: for full 32A capability link terminals together
Operating Voltage 1000V CATII
Mfrs. List No: Round = XEB1/R + colour
Square = XEB1/Q + colour

Housing Polyamide 66, UL94-HB
Temperature Range -40°C to +85°C
Contacts Brass, Nickel plated
Termination 6.35mm fast-on

209735

Price Each

Order Code

Round Flange	Order Code
Red	108-5450
Black	108-5455
Green	108-5456
Blue	108-5457
Yellow	108-5458

PCB Mount RA Safety Sockets

4.0mm



Fully insulated safety universal socket for accepting 4mm safety leads or any other 4mm plug

- 2mm round pin for PCB mounting
- High contact reliability

Current Rating 24A
Rated Voltage 1000V CAT III
Temperature range -40°C to +80°C
Insulation PA

Current Rating 24A
Rated Voltage 1000V CAT III
Contacts Brass, Gold plated

238729

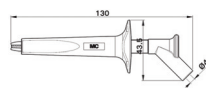
Price Each

Colour	Mfrs. List No.	Order Code
Black	23.3200-21	108-5521
Red	23.3200-22	413-0261

4mm CATIV

4mm Test Clips

Cat IV



New

Test Grip with steel jaws ideal for connection on to ground rails or large cross section cables with it's 20mm jaw opening. The jaws are also insulation capped to prevent accidental contact with adjacent metal work. Being Cat IV rated means these grips can be used for measurements at the supply source in installation, such as the secondary side of medium voltage switchgear, electricity meters and even for employees of power distribution companies overhead lines.

Rated voltage 1000V
Current rating 20A

601536

Mfrs.

Price Each

Colour	List No.	Order Code
Black	66.9474-21	170-4694
Red	66.9474-22	170-4695

4mm Test Leads to Accept High Power Fuses



New



A highly flexible in-line silicone insulated fused test leads 1.5m long for additional reach. The lead has a 4mm fixed shroud plug on either end. The two part screwed fused carrier accepts a 6.3 x 32mm high power fuse (1 x 0.5A & 1 x 1.6A supplied with each pack) are insulated to prevent inadvertent contact with adjacent conductors.

Voltage Rating 1000V
Fuse Rating 0.5A 50kA 1000VAC/DC breaking capacity
1.6A 50kA 1000VAC/DC breaking capacity
Leads 10A

Current Rating

601541

Mfrs.

Price Each

Colour	List No.	Order Code
Red	66.9394-150-22	170-4697
Black	66.9394-150-21	170-4698

Replacement Fuses (Pack of 2)

Current Rating	Order Code
0.5A	69.0012
1.6A	69.0013

6mm Connectors

6mm

For 10mm²/16mm²/25mm² Cable



- For high flex cable
- 6mm panel plug supplied with coloured ID rings
- Free sockets supplied with standard black sleeve
- Set of coloured sleeves available
- Panel plug has 4mm socket hole for testing with shrouded plugs
- Live parts of socket are touch-proof in unplugged condition to **IEC529, EN60529, DIN/VDE 0470 part 1**

Current Rating 80A Voltage Rating 600V

Mfrs. List No: 14.0034-21 + 14.5004-22, +23, +24, +25 = 108-5494
15.0017-21 = 108-5496
15.0020-21 = 108-5497
15.0050-21 = 309-0991
15.0084-21 = 309-1016
15.5001-22, +23, +24, +25 = 108-5498

210061

Pack Quantity=1

Price Each

Colour	Order Code
Panel Plug	108-5494
In-line Socket for 10mm ² cable	108-5496
In-line Socket for 16mm ² cable	108-5497
In-line Socket for 25mm ² cable	309-0991
R/A Socket for 16mm ² cable	309-1016
Set of coloured sleeves	108-5498

Medical Connectors

Touchproof Plugs and Sockets

Medical Grade



A range of touch proof cable mount plugs and panel mount sockets.

- 1.5mm and 2.0mm dia
- Suitable for steam sterilisation up to 134°C
- Touch protected when mated and unmated
- Approvals: **DIN42802-1 DIN42802-2**

Medical Connectors - continued

Touchproof Plugs and Sockets - continued

Medical Grade - continued

Insulation	Polyamid
Temperature range	-40°C to +80°C
Plug	Brass - Gold plated
Cable Range	0.25mm ² - 0.5mm ² Max Dia 2.7mm
Pack Type	Contents
Black / Red	2 Each - Black, Red
Multi Colour	1 Each - Black, Red, Blue, Yellow, Green, White

239337

Pack Type	Mfrs. List No.	Order Code	Price per Pack
1.5mm Touch Proof Plugs			
Black / Red	65.3322-21 + 65.3322-22	108-5510	
Multi Colour	65.3322-21, + -22, + -23, + -24, + -25, + -29	108-5511	
2.0mm Touch Proof Plugs			
Black / Red	65.3314-21 + 65.3314-22	108-5512	
Multi Colour	65.3314-21, + -22, + -23, + -24, + -25, + -29	108-5513	
1.5mm Touch Proof Panel Sockets			
Black / Red	65.3300-21 + 65.3300-22	108-5514	
Multi Colour	65.3300-21, + -22, + -23, + -24, + -25, + -29	108-5515	
2.0mm Touch Proof Panel Sockets			
Black / Red	65.3304-21 + 65.3304-22	108-5516	
Multi Colour	65.3304-21, + -22, + -23, + -24, + -25, + -29	108-5518	

Potential Equalisation Connector System

Panel Receptacle

MC



- Black panel receptacle with yellow / green coding ring
- Conforms to DIN standard
- Built in nickel plated Plug (POAG-S6/25)
- For panel mounting
- Mates with angled socket

238721

Mfrs. List No.	Order Code	Price Each
14.0007	108-5503	

Potential Equalisation Connector System

Angle Socket

MC



- Conforms to DIN42801
- Yellow TPE anti-kink sleeve
- Brass body - nickel plated
- Crimps to highly flexible cable 4mm² or 6mm²

238719

Mfrs. List No.	Order Code	Price Each
15.0010	108-5502	

FOR MORE INFORMATION & CHOICE

Product Search

Medical Connectors



RoHS Compliant Items Only | Advanced Search

Potential Equalisation Connector System

Plugs

MC



- Available in four standard lengths
- Conforms to DIN 42801
- Thread size M6 (0.6mm)
- Brass nickel plated
- For fixing to instruments, beds, wall rails etc
- Mates with angled socket

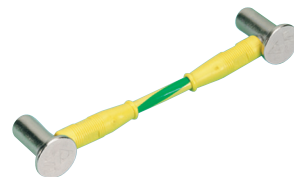
238720

Mfrs. List No.	Overall Length (mm)	Thread Length (mm)	5 per pack Order Code	Price Per Pack
04.0056	30	13.5	108-5504	
04.0057	35	18.5	108-5506	
04.0058	40	23.5	108-5507	

Potential Equalisation Connector System

Pre-assembled Leads and Cable

MC



A range of connecting leads

- 4mm² highly flexible cable
- Fitted with KBT6DIN sockets
- Green / yellow PVC insulation
- Conform to DIN standard

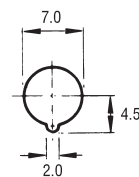
238722

Mfrs. List No.	Cable Size	Cable Length	Order Code	Price Each
Single Socket Lead				
POAG-K4FS/KBT6DIN/100	4mm ²	1m	343-1009	
Flexible Cable				
60.7014-001-20	5M	4mm ²	5m	108-5508
60.7014-001-20	25M	4mm ²	25m	108-5509

Panel Mounting Terminals

CLIFF

4mm Insulated, 15A



Base dia = 13.3, Height closed = 43.0,
Height open = 49.0

Panel cut-out

All terminals are supplied with panel insulating sets, with location key-way, double plain washers and solder tag for connection.

Contacts	Brass, Nickel plated	Housing	Polypropylene
Current Rating	15A @ 250V ac		
Mfrs. List No:	TP/1 + colour		
Colour	Order Code	Colour	Order Code
Red	181-5818	Green	181-5820
Black	181-5819	Blue	181-5821
		Yellow	181-5822
		White	181-5823

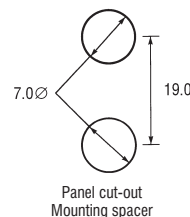
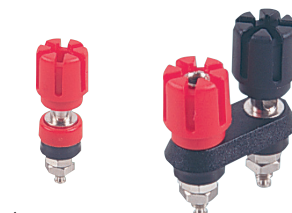
209737

Price Each

Order Code
All Colours

4mm Insulated, 30A

CLIFF



4mm
cross hole

Panel cut-out
Mounting spacer

H = 47 (open), 40 (closed), D = 15, Maximum panel thickness = 6

Designed for heavy duty applications the terminals feature extra large cross holes (4mm) for heavy conductors or even 4mm plugs. The castellated knob enables a handy coin to exert the required pressure for heavy current applications.

Current Rating 30A @ 250V ac

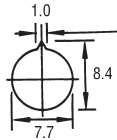
Mfrs. List No: Terminal = TP/6S + colour Spacer = TPP/1

Warning: Not suitable for use as speaker output/input on audio equipment in accordance with the UK/EC safety standard BS EN 60065.

209738

Colour	Order Code	Price Each
Red	173-7112	
Black	173-7113	
Green	173-7114	
Brown	173-7115	
Blue	173-7116	
Yellow	173-7117	
Order Multiple=5		
Black Spacer	148-256	

4mm 10A



Mounting hole dimensions

Plug: Cover length=34, Cover dia = 6.5, Overall length = 45
Socket: L = 28, Dia = 12 Maximum panel thickness = 13.5

A low cost range of 4mm plugs and sockets featuring slim style plugs and small diameter sockets enabling increased stacking density.

Free Plugs

Colour	Mfrs. List No.	Order Code	Price Each
Red	P14 RED + CL1468	143-556	
Black	P14 BLACK + CL1468	143-557	
Green	P14 GREEN + CL1468	143-558	
Blue	P14 BLUE + CL1468	143-559	
Yellow	P14 YELLOW + CL1468	143-560	
White	P14 WHITE + CL1468	143-561	

Panel Sockets

Colour	Mfrs. List No.	Order Code	Price Each
Red	S14-RED	145-299	
Black	S14-BLACK	145-300	
Green	S14-GREEN	145-301	
Blue	S14-BLUE	145-302	
Yellow	S14-YELLOW	145-303	
White	S14-WHITE	145-304	

2BA Non Insulated Binding Post

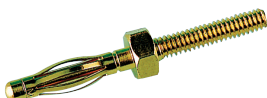


L = 38.1, Dia = 12,
Maximum panel thickness = 12.5,
Panel cut-out = 4.6 dia
Mfrs. List No: 351-0000-01



Order Code	Price Each
110-1093	

2mm Panel Plug



- Multi purpose gold plated 2mm plug
- Used in conjunction with PCBs for instrumentation
- M2 thread
- L = 23, Cut-out = M2

Contact Rating 25A
Contact resistance $\leq 0.4m\Omega$
Contact Temperature (max) Copper Alloy, Gold plated 150°C

Mfrs. List No.	Order Code	Price Each
22.1100	108-5562	

4mm Panel plugs 16A



- Fully mating connectors as built in
- VST20 for solder pin connection up to 2mm², VST100 for screw connection up to 2.5mm²

Material Brass, Nickel plated
Rated Voltage 60V DC
Rated Current 16A

Contact resistance 3mΩ
Temperature range -25°C to +100°C

5 Per Pack

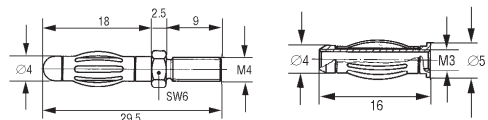
Price Per Pack

Order Code	Price Per Pack
VST20 497-850	

4mm Panel Plug



L = 29.5, Cut-out = M4



- Multi purpose gold plated 4mm plug
- Used in conjunction with PCB's, for instrumentation and power units
- Available with M4 threaded stud or M3 internal thread

Order Multiple=5	Mfrs. List No.	Order Code	Price Each
Threaded stud (M4)	22.1053	108-5560	
Internal thread (M3)	22.1054	108-5561	

4mm 'O-Z' Panel Plug 10A



L = 34.2, 4BA fixing

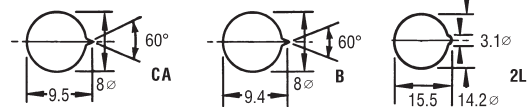
Mfrs. List No.	Order Code	Price Each
L514	317-299	

15A



This terminal has an easy grip captive head containing a 4mm socket. The clamping gap is free from threads and has a 2.1mm cross hole for wire insertion. Available in red or black. Suitable panel fittings: 317-380, 317-391 and fixing kit 317-408.

Overall length = 47.7, Overall dia = 15.1
Stem length = 31.8, Stem thread = 8-32UNC



Panel cut-outs

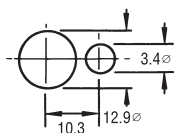
Mfrs. List No.	Order Code	Price Each
Terminal (Red) L1499/1/RED	317-354	
Fixing kit KIT 2	317-408	
Panel fitting kit REF-2L	317-391	

Over 500 000 products available online



Panel Mounting Terminals - continued

30A

Dialight
BLP

Panel cut-out

Overall length = 63, Overall dia = 25
Panel thickness = 1.6 to 23.8, Stem thread = OBA

An insulated terminal with non-rotating red or black centre disc suitable for lettering. The terminal has a black easy grip collar and is supplied with a panel fitting kit.

Contact Rating	30A	Housing	Phenolic resin
Breakdown Voltage	3000V dc min	Stud	Brass, Nickel plated
Temperature range	-25°C to +85°C	Termination	Screw

Mfrs. List No: L309/1/F/RED = 225-654 L309/1/F/BLACK = 225-666

209746

Price Each

Order Code	
Red	225-654
Black	225-666

Crocodile Clips

Insulated Crocodile Clip

multicomp



Contact Material	Steel
Contact Plating	Nickel
Housing	PVC
Length	54mm
Current Rating	15A

New

601226

Price Each

Colour	Order Code
Red	169-8998
Black	169-8999

Miniature Insulated

multicomp



● General purpose miniature insulated crocodile clips

Clip L = 30 Overall L = 40

Material	Steel, Nickel plated	Insulation	PVC
Current rating	1A max	Connection type	Solder

230706

Price Each

Order Code	
Red	116-9601
Black	116-9604

4mm 5A

HIRSCHMANN
Test & Measurement
A BRAND OF KCI

- Nickel-plated stainless steel crocodile clip
- Maximum bolt diameter 10mm
- 4mm socket

Rated voltage	60V DC
Contact resistance	15mΩ
Temperature range	-25°C to +100°C

210054

5 Per Pack

Price Per Pack

Order Code	
AGF30	117-6482

Miniature 6A

HIRSCHMANN
Test & Measurement
A BRAND OF KCI

Miniature crocodile clip for use with very small components. Crimp or solder termination. Maximum wire size 0.5mm².

Mfrs. List No: AGF1

Overall length = 17, Clamping limit = 1

Contact Rating	6A	Temperature range	-25°C to +100°C
Maximum Working Voltage	25V ac, 60V dc	Material	Brass, silver plated
Contact resistance	15mΩ	Termination	Crimp or Solder

209823

Price Per Pack

5 Per Pack	
Order Code	
495-177	

Insulated Crocodile Clip

multicomp

New



Contact Material	Brass	Length	41mm
Contact Plating	Nickel	Current Rating	10A
Housing	Nylon	Voltage Rating	30VAC / 60VDC

601228

Price Each

Colour	Order Code
Red	169-9016
Black	169-9017

4mm 5A

DELTRON Components



Overall length = 51, Clamping limit = 15mm at point of jaws

Crocodile clip in nickel plated steel that will accept a 4mm plug. (A turned brass screw allows wires to be held securely). PVC insulating covers in red and black are available separately.

Mfrs. List No: 303-0000-01 = 110-1094
303-0000-01 = 110-1094
CROC CLIP INSULATING COVER, RED = 147-005
CROC CLIP INSULATING COVER, BLACK = 147-018

209747

Price Each

Order Code	
Crocodile clip	110-1094
Red insulating cover	147-005
Black insulating cover	147-018

Battery Clip 20A

DELTRON Components



Overall length = 75.5

Exceptionally good grip makes the clip ideally suited for use as a battery or terminal clip. Cables can be screw and crimp terminated onto the bright nickel plated steel clip. PVC insulating covers in red and black are available separately.

Clamping limit = 30mm at point of jaws

209751

Price Each

Order Code	
Crocodile clip	110-1133
Red insulating cover	152-327
Black insulating cover	152-328

Battery Clip

BULGIN



Current Rating	25A
Material	Steel, Hot Tin dipped

Mfrs. List No: CR0028 = 317-494

Overall length = 58.7,
Clamping limit = 14.5 at point of jaws

227398

Price Each

Order Code	
317-494	

Insulated Crocodile Clip

multicomp

New



Contact Material	Steel
Contact Plating	Nickel
Housing	PVC
Length	77mm
Current Rating	20A

601227

Price Each

Colour	Order Code
Red	169-9013
Black	169-9014