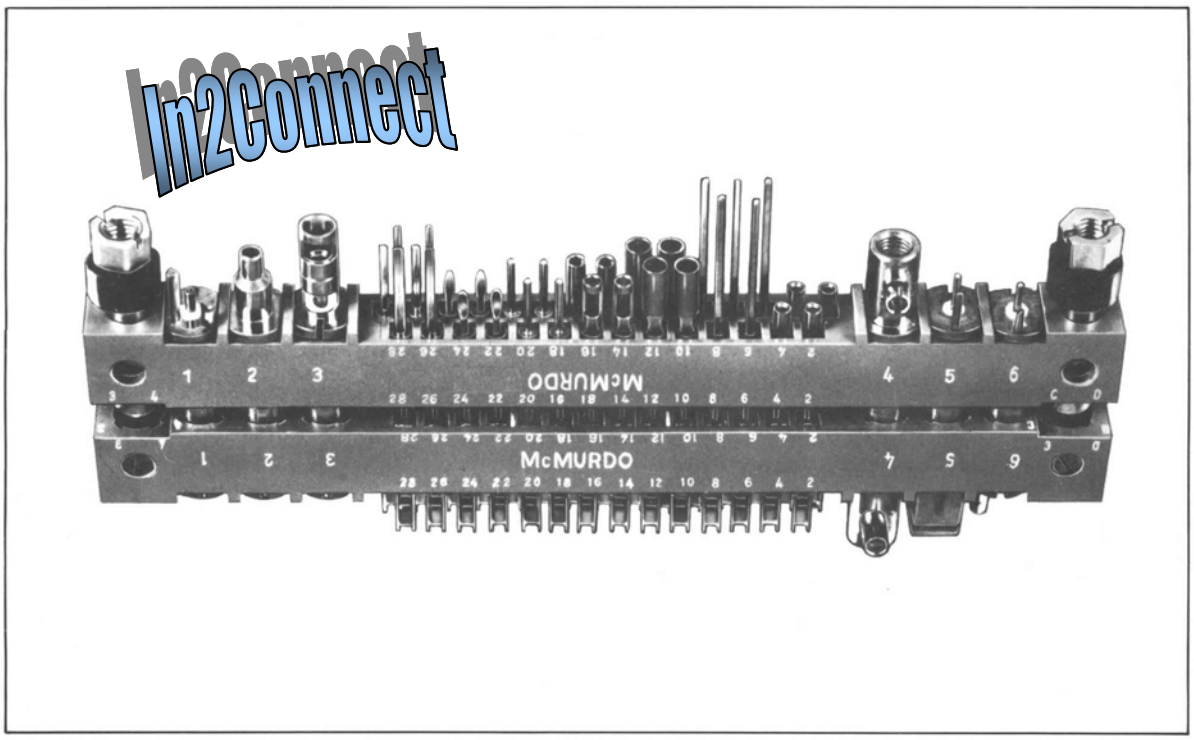
IN2CONNECT
ELECTRONIC CONNECTORS

TW McMurdo Connectors

801/801 CX Series

Two part p.c. connectors



The 801 and 801 CX Series two part printed circuit board connector system utilising a 1.27mm (0.05 in.) staggered pitch with 2.54mm (0.1 in.) between rows has been designed to satisfy the latest requirements of various UK and international standards including BS9525 N0001, BS9525 F0006, BS9525 F0012, BS9525 F0027, BS9525 F0041, NFC 93-424 (HE 801 and HE 807) and MIL-C-55302.

Features include:

- Low and high frequency contacts.
- Low and high power contacts.
- 19 mould sizes up to 96 way l.f. and either 53 + 3 or 41 + 6 l.f./h.f.
- l.f. terminations include solder, p.c. straight and 90°, crimp wire wrapping and surface mount.
- h.f. terminations include solder straight and 90° preserved impedance, twisted cable and p.c. straight and 90°.
- All contacts removeable.
- Polarising facilities l.f. 36 position h.f. 36 or 16 positions.
- Jacking facilities, including ¼ turn locks.
- Covers and pin shrouds.
- Qualification approval to BS9525 N0001, BS9525 F0006, BS9525 F0027, BS9525 F0041 and MIL-C-55302/140-155.
- Additional random vibration with superimposed gunfire with low ns interrupt times.

TECHNICAL DATA

MATERIALS	LOW FREQUENCY	HIGH POWER AND HIGH FREQUENCY	
Moulds	Diallyl-phthalate		
Plug contacts	High grade copper alloy	High Power Co-axial Plug (inner) " Plug (outer)	Brass Brass Beryllium Copper
Socket contacts	High grade copper alloy	High Power Co-axial Socket (inner) " Socket (outer) Insulators	Ph Bronze Beryllium Copper Brass p.t.f.e.
Retention clips	High grade copper alloy		
Guides	Stainless steel or brass nickel plated		
Cover	Glass-filled polycarbonate		
Cover cable clamp	Glass-filled nylon		
Cover jackscrews	Stainless steel		

PLATING* (L.F. AND H.F. CONTACTS) Hard Acid Gold

NG	***NOTE:** For replacement purposes previous plating codes, i.e. XG, SG, BO Series are still available.	For applications in severe climatic environments (BS9525 N0001, BS9525 F0027, 3S9525 F0041)
FG		For applications in less severe environments (BS9525 F0006, BS9525 F0012, NFC93-424 (HE801-HE807))
MG		For applications requiring conformity to MIL-C-55302

ELECTRICAL

Current				
Individual Contact (in isolation)		At 85°C 1.5A max	High Power	At 85°C 15A max
All contacts simultaneously		At 25°C 3A max At 85°C 1A max At 125°C 0.3A max	High Power Co-axial	At 25°C 25A max At 85°C 10A max At 85°C 0.5A max
Working Voltage	sea-level (1013 mbar)	250V d.c. or a.c. peak		
Proof voltage	sea-level (1013 mbar)	1000V d.c. or a.c. peak		
	8500m (300 mbar)	250V d.c. or a.c. peak		
Contact resistance	(initially)	10mΩ max	High Power Co-axial inner	1.5mΩ max 12mΩ max, outer 6mΩ max
	(after conditioning)	15mΩ max	High power Co-axial inner	3.0mΩ max 16mΩ max, outer 8mΩ max
Insulation resistance	(initially)	5GΩ min (at 500V)		
	(after conditioning)	100MΩ min		
Frequency Range		—	0-500MHz	
Impedance		—	50Ω nom	
Reflection Co-efficient		—	0.13 max	(preserved impedance 10-500MHz)

ENVIRONMENTAL

Environmental Classification:	55/125/56
Vibration Severity - General	10Hz to 2000Hz, 0.75mm/98m/s² (10gn) duration 6h.
Vibration Severity - Additional (BS9525 F0041)	13.3Hz to 2000Hz random with superimposed sinusoids, duration 15min in each of 4 planes.

No intermittancies measured when using an H.S.L.I. (High Speed Logic interrupt) detector with a trip threshold of 2 ns.

Bump Severity:	390m/s² (40gn), 4000 ±10 bumps.
Shock Severity:	981m/s² (100gn), for 6ms.
Acceleration Severity:	490m/s² (50gn).

MECHANICAL

Mechanical Endurance	500 operations		
Engaging and Separation Force (per contact pair)	1N max 0.2N min	High Power Co-axial	5N max, 1N min 10N max, 2N min
Contact Retention (in moulding)	20N (wire wrapping 30N)	50N	
Contact holding force	0.15N mn	High Power Co-axial inner	0.4N min 0.15N min, outer 0.3N min

NOTE: Dimensions throughout this catalogue are shown in millimetres and are maxima unless stated otherwise.

Guiding System (See pages 8 to 11)

The 801 and 801CX Series of two part p.c. connectors incorporate a wide choice of polarising and guiding facilities. Since their original introduction these facilities have been extended and improved such that currently the following options are available:

(a) **Hexagonal**
I.f. and combined I.f./h.f. connectors with polarised guides which can be orientated to any one of six angular positions of 60°. This permits a choice of 36 positions for each connector. Connectors fitted with 72, 84 or 96 I.f. contacts have an additional central guide, normally plain but a polarised guide may also be fitted which in these sizes provides 216 polarising positions.

Alternatively, the complete range of connectors may be fitted with unpolarised guides, jack screws or quarter turn locking guides, the latter having four preferred polarising positions, namely F6, D2, C5, and A5.

(b) **Quadrangular**
Combined I.f./h.f. connectors with polarised guides which can be orientated to any one of four angular positions of 90°. This permits a choice of 16 positions for each connector.

Alternatively the complete range of connectors may be fitted with unpolarised guides or jack screws.

Connector Styles and Contact Cavity Indentification

Style and contact identification is determined by the application of **Fixed** or **Free** to the connector.

Where option (a) is chosen, i.e., hexagonal guides are used the following definitions are applicable.

A **Fixed** connector is rack or mother board mounted, has **female guides** and male or female contacts. The I.f. contact cavity identification is by numbers from **right to left** and (where fitted) h.f. contact cavity identification is by numbers from left to right. This applies when viewing the mating face with the reference plane at the base.

A **Free** connector is cable or daughter board mounted, has **male guides** and male or female contacts. The I.f. contact cavity identification is by numbers from **left to right** and (where fitted) h.f. contact cavity identification is by numbers from right to left. This also applies when viewing the mating face with the reference plane at the base.

A **Coupler** connector replaces a Fixed connector in a daughter-to-daughter board mounted application has **female guides** and male or female contacts. The I.f. contact cavity identification is by numbers from **right to left** and (where fitted) h.f. contact identification is by numbers from left to right. This similarly applies when viewing the mating face with the reference plane at the base.

Connectors are supplied with guides polarised at positions A and 1 or quarter turn locking guides polarised at positions F and 6 in the unlocked condition.

The above are the preferred styles but connectors can also be supplied with **male** guides in **fixed** connectors and **female** guides in **free** connectors. These are **reverse** contact identification and are non-preferred.

Where option (b) is chosen, i.e. quadrangular guides are used in combined I.f./h.f. connectors the following definitions are applicable.

A **Fixed** connector is fitted with **male** I.f. and h.f. **contacts** and either male or female guides. The I.f. contact cavity identification is by numbers from **right to left** and h.f. contact cavity identification is by numbers from left to right. This applies as previously when viewing the mating face with the reference plane at the base.

A **Free** connector is fitted with **female** I.f. and h.f. **contacts** and either male or female guides. The I.f. contact cavity identification is by numbers from **left to right** and h.f. contact cavity identification is by numbers from right to left. This again applies when viewing the mating face with the reference plane at the base.

A **Coupler** connector is fitted and marked the same way as a **Fixed** connector. Guides are fitted polarised at positions A and 1.

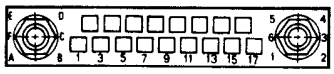
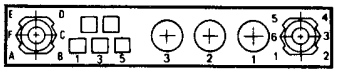
When combined I.f./h.f. connectors are used all contacts in a connector half should be of the same gender.

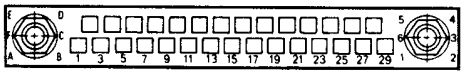
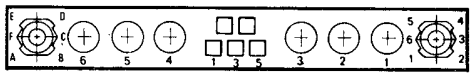
MOULD SIZES

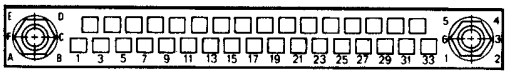
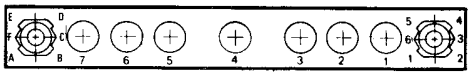
Low and Combined Low and High Frequency (Hexagonal Guiding)

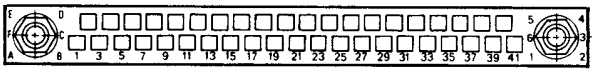
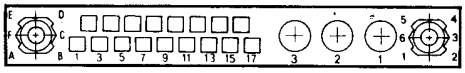
The contact identification of mouldings as illustrated applies to **Free** male and female connectors viewed on the mating face in that all Free l.f. contacts are numbered from the left hand end and all Free h.f. contacts are numbered from the right hand end. **Fixed** connectors are a mirror image of the Free connector.

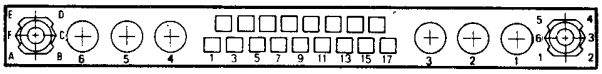
This is in accordance with BS9525 N0001 Issue 2.

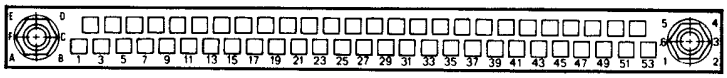
17   5+3

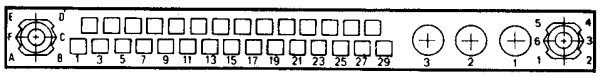
29   5+6

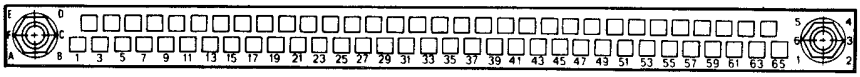
33   0+7

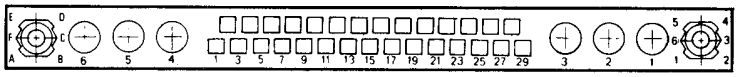
41   17+3

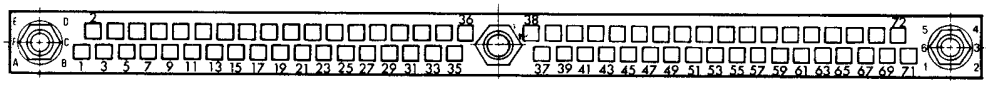
 17+6

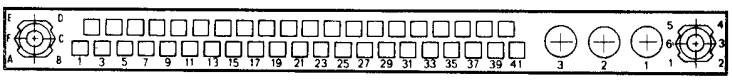
53 

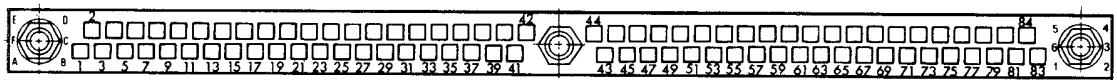
 29+3

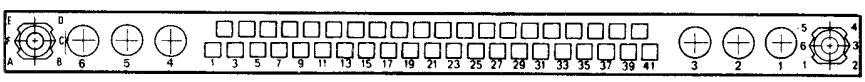
65 

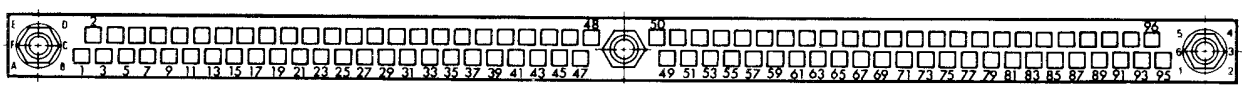
 29+6

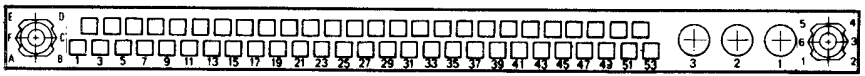
72 

 41+3

84 

 41+6

96 

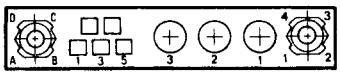
 53+3

Combined Low and High Frequency (Quadrangular Guiding)

The contact identification of mouldings as illustrated applies to **Free** female connectors viewed on the mating face in that l.f. contacts are numbered from the left hand end and h.f. contacts are numbered from the right hand end. **Fixed** male connectors are a mirror image of the Free connector.

This is in accordance with BS9525 F0012, NFC 93-424 (HE 807) and MIL-C-55302.

5+3



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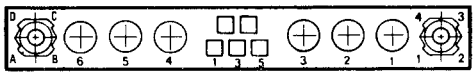

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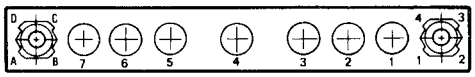

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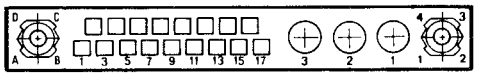

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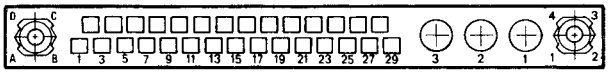

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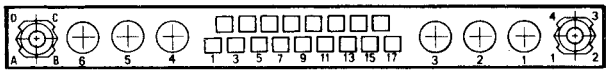

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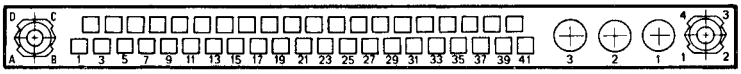

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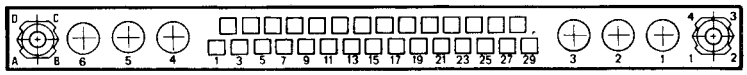

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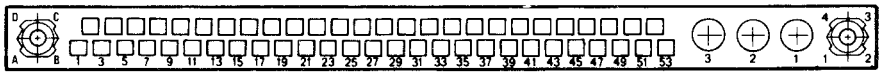

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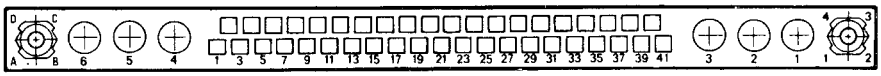
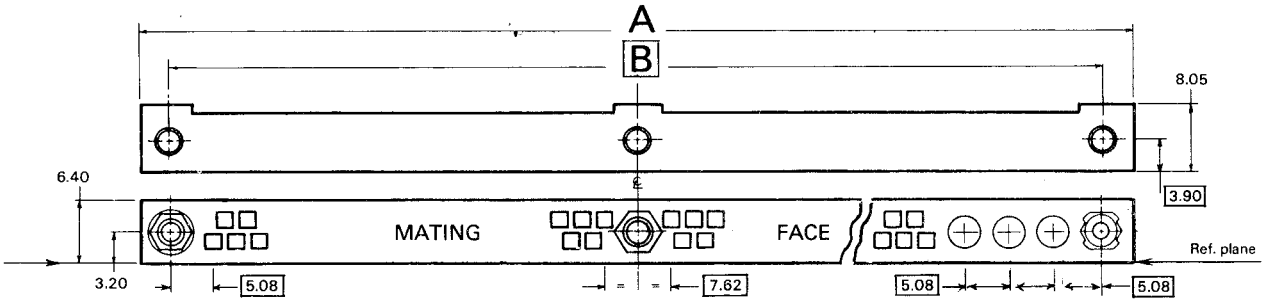
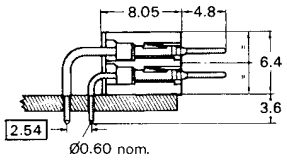
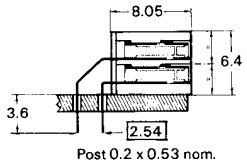
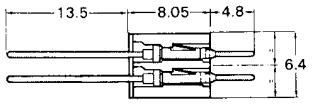
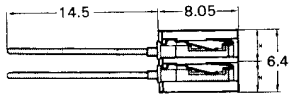
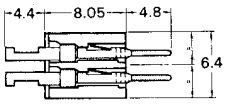
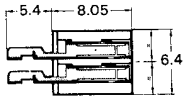
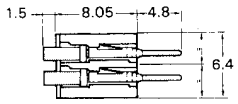
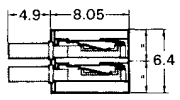
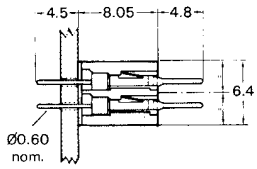
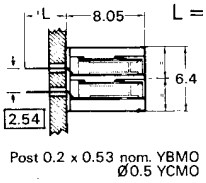
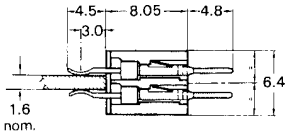
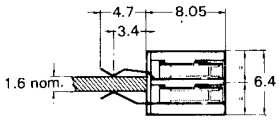


Dimensions (All moulds)

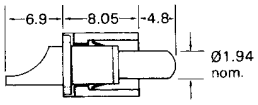
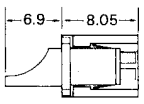
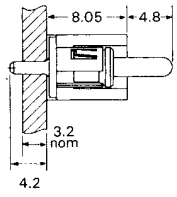
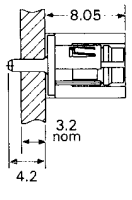


	17 5+3	29 17+3 5+6 0+7	33	41 29+3 17+6	53 41+3 29+6	65 53+3 41+6	72	84	96
A	38.5	53.7	58.8	69.0	84.2	99.5	114.7	129.9	145.2
B	30.48	45.72	50.80	60.96	76.20	91.44	106.68	121.92	137.16

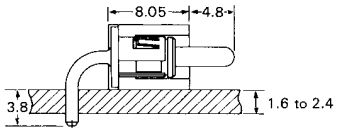
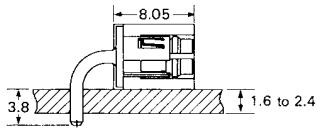
LOW FREQUENCY TERMINATIONS

Male (M)		Female (F)
YM 	Male and female contacts with tails at 90° direct mounting on to p.c.b. Suitable for individual or flow soldering. BS Termination Style 'L'	**YF** 
W 	Male and female contacts with 0.6mm (0.025") square miniwrap tails suitable for up to 3 wraps of 30 a.w.g. wire. BS Termination Style 'W'	**WFO**  WFO6 L = 6.0
Z 	Male and female contacts with solder tails suitable for wire dia. up to 1mm. BS Termination Style 'S'	**ZFO** 
SM 	Crimp type male and female contacts for wire 22-26 a.w.g. BS Termination Style 'C'	**SMF** 
Y **Y4** L = 4.0 	Male and female contacts with p.c. straight tails for direct mounting onto p.c.b.'s. Suitable for individual or flow soldering. YCMO an alternative to YBMO with turned termination. BS Termination Style 'T'	**YBMO** L = 4.5 YBM4 L = 4.0 **YCMO** L = 5.6 
DM 	Male and female contacts for mounting edge-on double-sided p.c.b.'s. The centre of the board is on the centre line of connector. BS Termination Style 'V'	**DFM** 

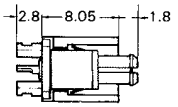
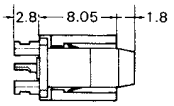
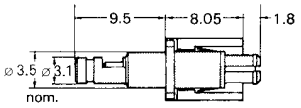
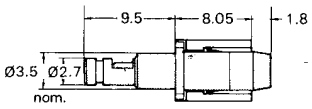
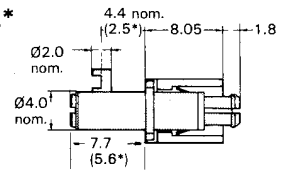
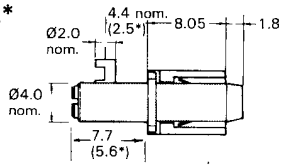
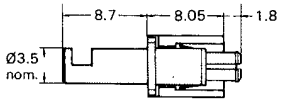
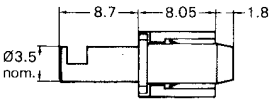
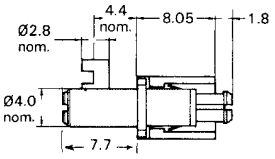
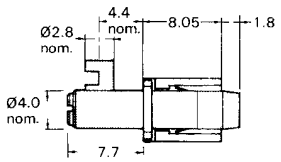
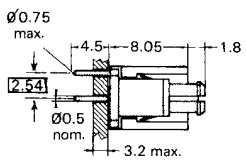
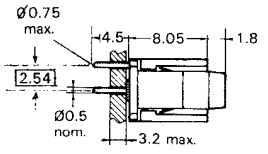
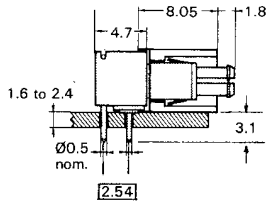
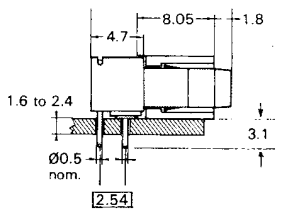
POWER TERMINATIONS

Male (M)		Female (F)
MH1 	Male and female power contacts with solder termination. Suitable for wire dia. up to 1.83mm (size 14).	**FH1** 
MH2 	Male and female power contacts with straight p.c.b. termination. Current rating 5A @ 85°C.	**FH2** 

POWER TERMINATIONS

Male (M)		Female (F)
MH3 	Male and female power contacts with 90° p.c.b. terminations. Current rating 5A @ 85°C.	**FH3** 

HIGH FREQUENCY TERMINATIONS

M1 	Male and female contacts with two soldering posts for twisted braid screen. For chassis or free connector assembly.	**F1** 
M2 	"Preserved impedance" male and female contacts. Suitable for chassis, or free connector assembly. M2/F2 for RG178 and RG196 Flexible Cables	**F2** 
M4 **M42*** 	"Preserved impedance" male and female contacts with 90° cable entry. Suitable for chassis, or free connector assembly. M4, M42/F4, F42 for RG178 and RG196 Flexible Cables	**F4** **F42*** 
M6 	"Preserved impedance" male and female contacts. Suitable for chassis, or free connector assembly. M6/F6 for UT85 semi-rigid Cable	**F6** 
M46 	"Preserved impedance" male and female contacts, with 90° cable entry. Suitable for chassis, or free connector assembly. M46/F46 for UT85 semi-rigid Cable	**F46** 
CM 	Male and female contacts with p.c. tails for direct mounting on to p.c.b.	**CF** 
M3 	Male and female contacts with tails at 90° for direct mounting on to p.c.b.	**F3** 

GUIDES FOR L.F. AND L.F./H.F. CONNECTORS

Hexagonal guides may be fitted to l.f. or combined l.f./h.f. connectors.
Quadrangular guides can only be fitted to combined l.f./h.f. connectors and are prefixed 'C'.
Hexagonal & Quadrangular guides do not intermate.
When ordering guides which are available in stainless steel add suffix 'S' to part number (see order codes page 16).
Connectors are normally supplied with polarising in position A & 1 except ¼ turn locking hexagonal guides which are polarised in position F & 6 in the unlocked position.

* ←GUIDE STYLE→ **

⬢ - HEXAGONAL STAINLESS BS CODES 0 AND 4

⬡ - HEXAGONAL NICKEL PLATED BS CODES 1 AND 5

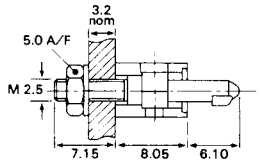
□ - QUADRANGULAR NICKEL PLATED

GUIDE REF. NOS.

00 ← BS9525 N0001 Iss. 2
000/000 ← NF-C93-424 (1981)
Stainless Steel/Brass

Male Polarised

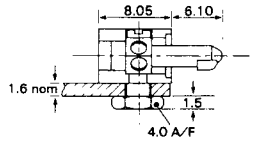
A⬢⬡ □CA



Vertical

50
317/117

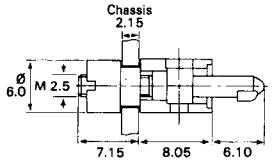
D⬢⬡ □CD



90° P.C.
Front Fixing

64
301/101 323/123

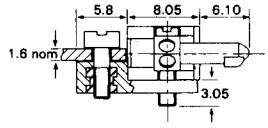
AL⬢⬡ □CACL



Floating

51

H⬢⬡ □CH

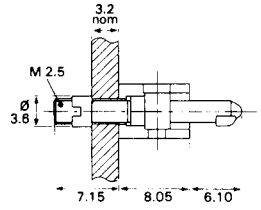


Edge P.C.

74
315/115

Male Polarised (Centre Only)

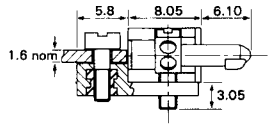
AM⬢⬡



Vertical

50
313/113

HM⬢⬡

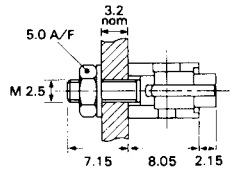


Edge P.C.

74
314/114

Female Polarised

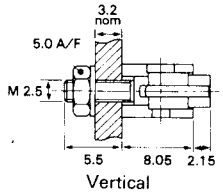
J⬢⬡ □CJ



Vertical

10
412/212 215

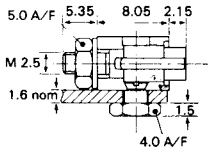
J5⬢



Vertical

11

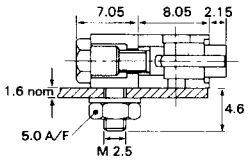
DJ⬢⬡ □CDJ



90° P.C.
Front Fixing

27

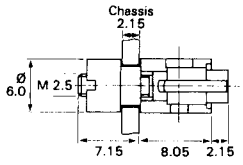
I⬢⬡ □CI



90° P.C.
Rear Fixing

25
406/206 214

L⬢⬡ □CL

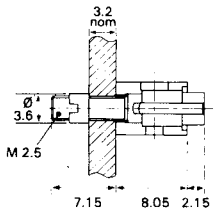


Floating

15
403/203 216

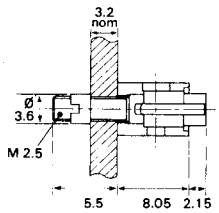
Female Polarised (Centre Only)

JM⬢⬡



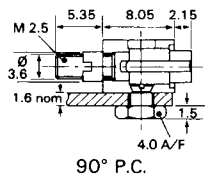
10 Vertical
402/202

JM5⬢⬡



11 Vertical

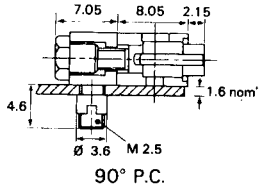
DJM⬢⬡



90° P.C.
Front Fixing

27

IM⬢⬡

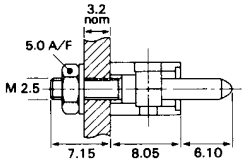


90° P.C.
Rear Fixing

25
406/206

Male Unpolarised

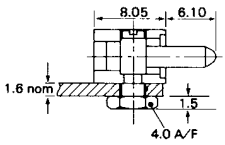
B● ○ **□CB**



Vertical

62
318/118

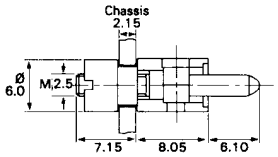
E● ○ **□CE**



90° P.C.
Front Fixing

71
302/102 102

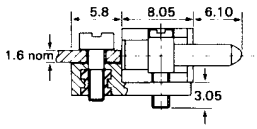
BL● ○ **□CBCL**



Floating

63

G● ○ **□CG**

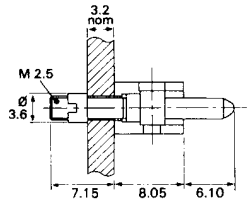


Edge P.C.

79
314/114 114

Male Unpolarised (Centre Only)

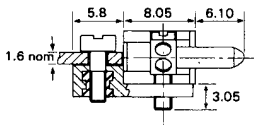
BM● ○



Vertical

62
313/113

GM● ○

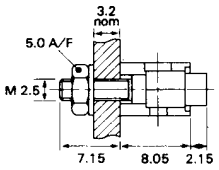


Edge P.C.

79
314/114

Female Unpolarised

JU●

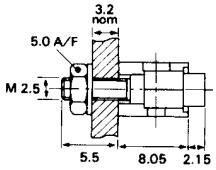


Vertical

23

Female Unpolarised

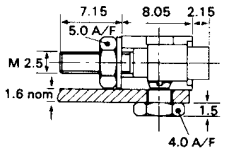
JU5●



Vertical

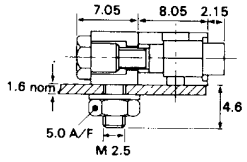
23

DJU●



90° P.C.
Front Fixing

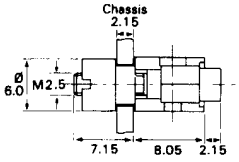
IU●



90° P.C.
Rear Fixing

38

LU●

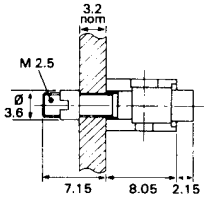


Floating

24

Female Unpolarised (Centre Only)

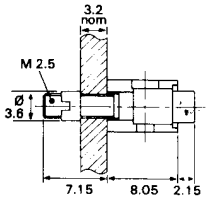
JZ●



Vertical

23

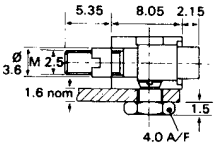
JZ5●



Vertical

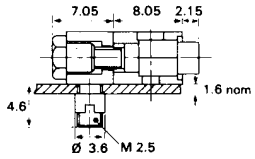
23

DJZ●



90° P.C.
Front Fixing

IZ●

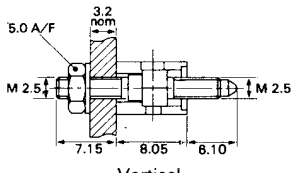


90° P.C.
Rear Fixing

38

Male Jacking Fixed Unpolarised

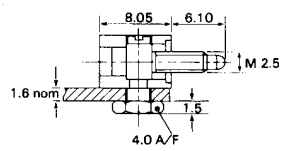
C● ○ **□CC**



Vertical

53
319/119 119

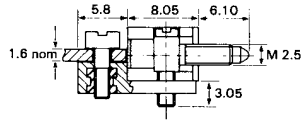
F● ○ **□CF**



90° P.C.
Front Fixing

66
303/103 103

O● ○ **□CO**

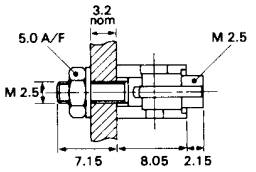


Edge P.C.

76
316/116 116

Female Jacking Fixed Polarised

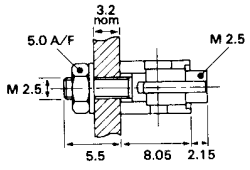
R-1● ○ □ CR-1



Vertical

17/18

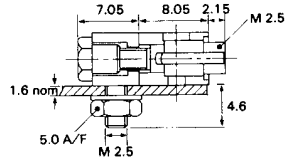
R1-5●



Vertical

17

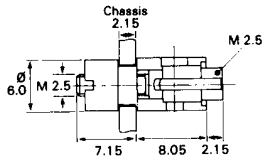
N-1● ○ □ CN-1



90° P.C.
Rear Fixing

30

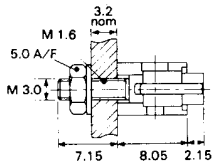
S-1● ○ □ CS-1



Floating

Female Jacking Fixed Polarised (Cover)

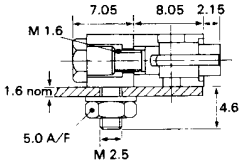
R-2● ○ □ CR-2



Vertical

13
210 217

N-2● ○ □ CN-2

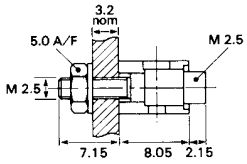


90° P.C.
Rear Fixing

28
211 218

Female Jacking Fixed Unpolarised

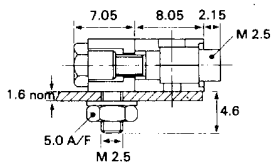
RU-1●



Vertical

16

NU-1●

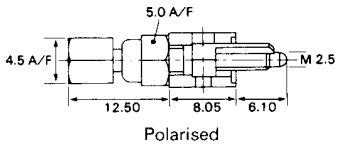


90° P.C.
Rear Fixing

29

Male Jacking Rotating Polarised

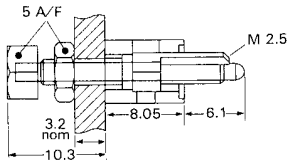
V-1 ○ □ CV-1



Polarised

56 ○

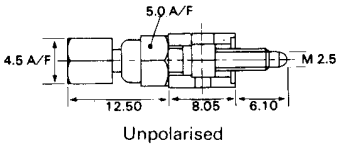
V-1●



54/56●

Male Jacking Rotating Unpolarised

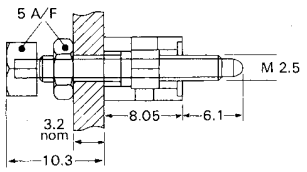
W-1 ○ □ CW-1



Unpolarised

55 ○

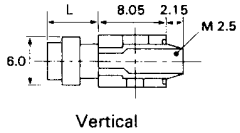
W-1●



55/58/59●

Female Jacking Rotating Unpolarised

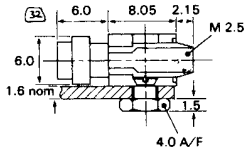
CK● ○ L = 6.3 □ CK
CK5● L = 4.9



Vertical

19 (CK) 20 (CK5)
413/213 213

DCK● ○ □ CDCK

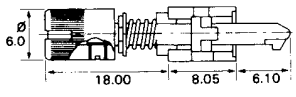


90° P.C.
Front Fixing

32

Male ¼ Turn Locking

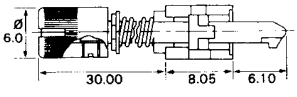
XT●



Vertical

61
327

XTL●

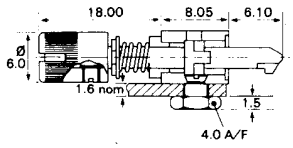


Vertical

60

Female ¼ Turn Locking

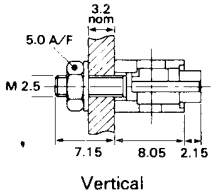
DXT●



90° P.C.
Front Fixing

69

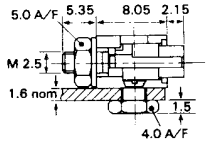
JT●



Vertical

22
422

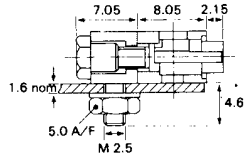
DJT●



90° P.C.
Front Fixing

35

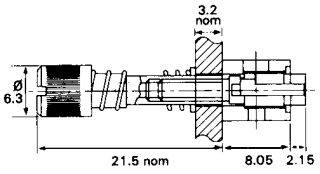
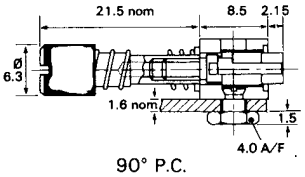
IT●



90° P.C.
Rear Fixing

34

Extender Card

X●	□CX	DX●	□CDX		
					
Vertical		90° P.C. Front Fixing			

GUIDE INTERMATABILITY CHART

● Preferred.

☆ Will mate but non preferred.

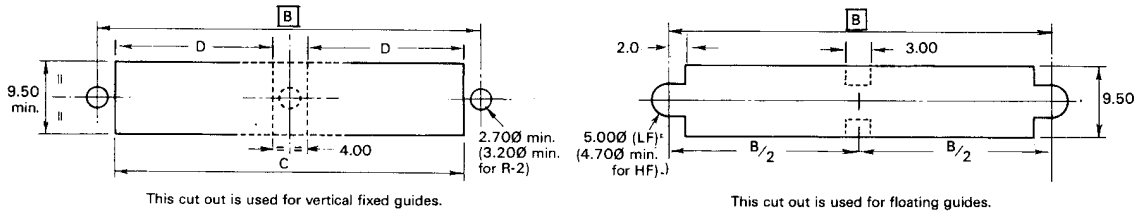
NOTE: h.f. guides prefixed 'C' have same intermatability patterns.

	A	AL	B	BL	C	D	E	F	G	H	I	IU	IT	J	J5	JU	JU5	JT	DJ	DJU	DJT	CK/CK5	DCK	L	LU	N-1	NU-1	N-2	O	R-1	R1-5	RU-1	R-2	S-1	V-1	W-1	XT/XTL	DXT	MK 2 COVER	X	DX
A											●		☆	●	●			☆	●		☆			●				☆					☆							●	●
AL											●		☆	●	●			☆	●		☆			●				☆					☆							●	●
B											☆	●	☆	☆	☆	●	●	☆	☆	●	☆			☆	●			☆					☆							●	●
BL											☆	●	☆	☆	☆	●	●	☆	☆	●	☆			☆	●			☆					☆							●	●
C																						●	●																		
D											●		☆	●	●			☆	●		☆			●				☆					☆							●	●
E											☆	●	☆	☆	☆	●	●	☆	☆	●	☆			☆	●			☆					☆							●	●
F																						●	●																		
G											☆	●	☆	☆	☆	●	●	☆	☆	●	☆			☆	●			☆					☆							●	●
H											●		☆	●	●			☆	●		☆			●				☆					☆							●	●
I	●	●	☆	☆		●	☆		☆	●																															
IU			●	●			●		●																																
IT	☆	☆	☆	☆		☆	☆		☆	☆																												●	●		
J	●	●	☆	☆		●	☆		☆	●																															
J5	●	●	☆	☆		●	☆		☆	●																															
JU			●	●			●		●																																
JU5			●	●			●		●																																
JT	☆	☆	☆	☆		☆	☆		☆	☆																												●	●		
DJ	●	●	☆	☆		●	☆		☆	●																															
DJU			●	●			●		●																																
DJT	☆	☆	☆	☆		☆	☆		☆	☆																												●	●		
CK/CK5					●			●																					●												
DCK					●			●																					●												
L	●	●	☆	☆		●	☆		☆	●																															
LU			●	●			●		●																																
N-1																																				●	☆				
NU-1																																					●				
N-2	☆	☆	☆	☆		☆	☆		☆	☆																													●		
O																						●	●																		
R-1																																				●	☆				
R1-5																																				●	☆				
RU-1																																					●				
R-2	☆	☆	☆	☆		☆	☆		☆	☆																													●		
S-1																																				●	☆				
V-1																										●				●	●			●							
W-1																										☆	●			☆	☆	●		☆							
XT/XTL													●					●			●																			●	●
DXT													●					●			●																			●	●
MK 2 COVER																												●					●								
X	●	●	●	●		●	●		●	●																												●	●		
DX	●	●	●	●		●	●		●	●																												●	●		

MOUNTING DETAILS

Mounting details for Chassis Mounted Plug or Socket

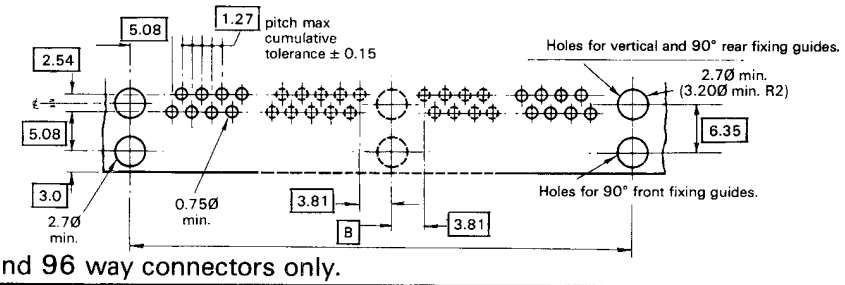
Chassis cut-outs for 801 and 801 CX



Centre detail for 72, 84 and 96 way connectors only.

Mounting details for Printed Circuit Board Plug or Socket (Straight and 90° tails)

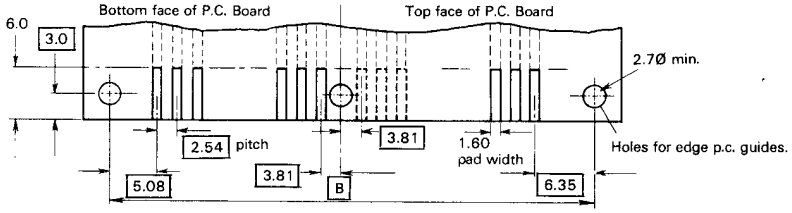
801



Centre detail for 72, 84 and 96 way connectors only.

Mounting details for Printed Circuit Board Plug or Socket (Edge mounting)

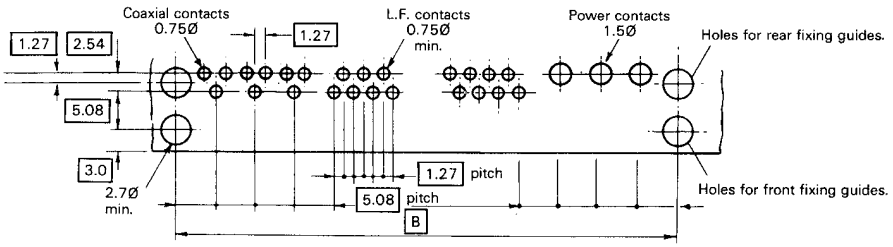
801



Centre detail for 72, 84 and 96 way connectors only.

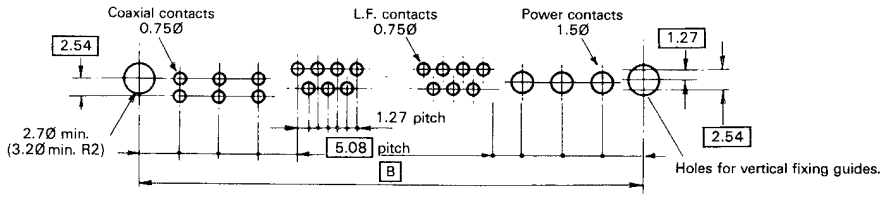
Mounting details for Printed Circuit Board Plug and Socket (90° tails)

801 CX



Mounting details for Printed Circuit Board Plug and Socket (Straight tails)

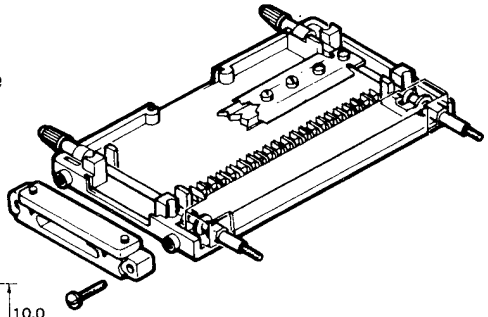
801 CX

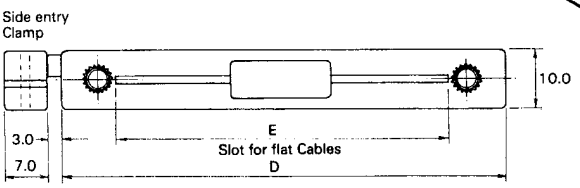


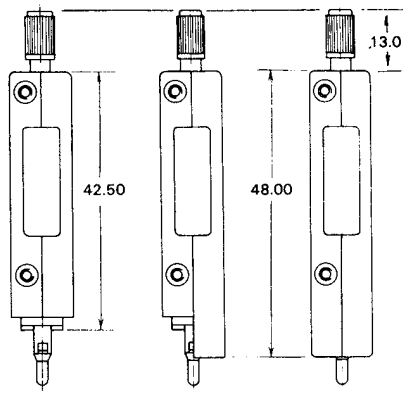
	17 5+3	29 17+3 5+6 0+7	33	41 29+3 17+6	53 41+3 29+6	65 53+3 41+6	72	84	96
B	30.48	45.72	50.80	60.96	76.20	91.44	106.68	121.92	137.16
C MIN	25.90	41.10	46.26	56.40	71.60	86.90	102.10	117.30	132.60
D MIN							49.05	56.65	64.30

COVERS

For use with Guides N2, R2, CN2, CR2 see intermatability chart (page 11)







( )* = BS Shrouding Style.

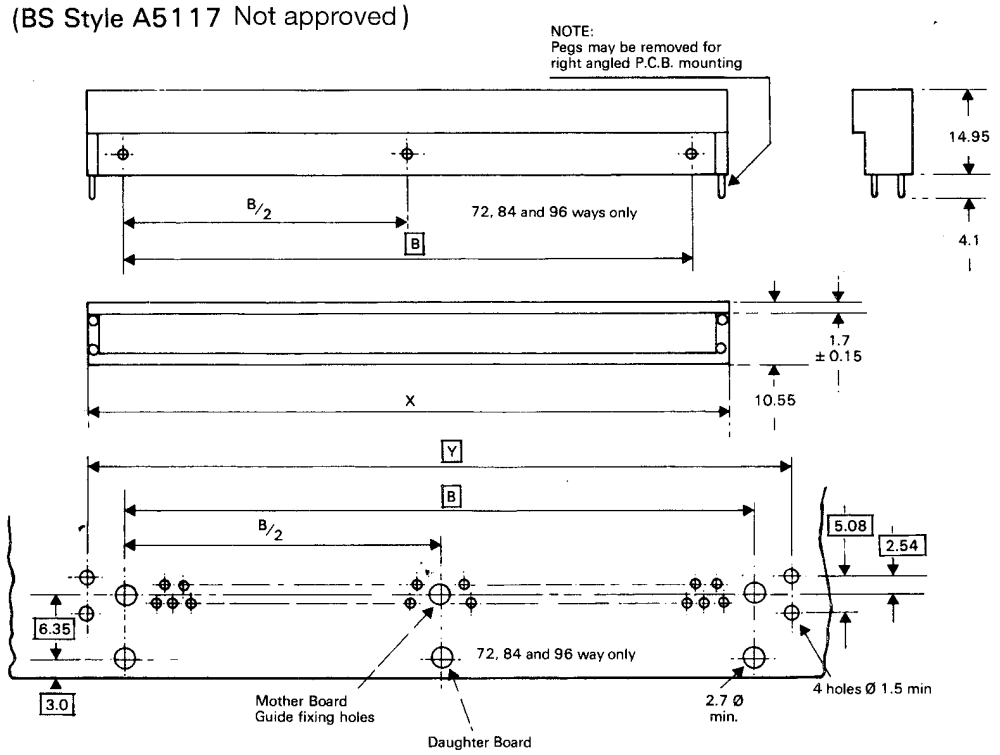
Maximum dimensions	17*	29*	33	41*	53*	65*
D	42.50	57.70	63.00	73.00	88.20	103.50
E	25.80	41.00	46.10	56.30	71.50	86.80

*Including equivalent combined l.f./h.f. sizes (see order codes page 16)

The Mk 2 connector covers offer the advantages of the following facilities:

1. Top (T) or side (S) cable entry (with cable clamp).
2. Flat cable top entry.
3. Full pin shroud/partial pin shroud for p.c.b. interfacing/no pin shroud, as required.
4. May be stacked on a 10.16mm pitch.
5. May be used with l.f. and h.f. contacts.

PIN SHROUDS (BS Style A5117 Not approved)



SIZE	B	X	Y
17 WAY	30.48	42.65	40.64
29 WAY	45.72	57.85	55.88
33 WAY	50.80	62.95	60.96
41 WAY	60.95	73.15	71.12
53 WAY	76.20	88.35	86.36
65 WAY	91.44	103.65	101.60
72 WAY	106.68	118.85	116.84
84 WAY	121.92	134.05	132.08
96 WAY	137.16	149.35	147.32

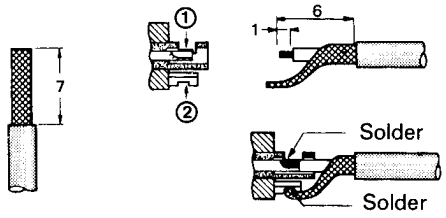
For p.c.b. mounting, when cross holes cannot be utilised for attachment of pin protector to body, pegs to be inserted into p.c.b. and secured by applying sufficient heat and pressure to spread end of pegs.

Note: Each pin shroud is supplied as a kit comprising the mould, 2 longer replacement screws and fitting instructions.

TERMINATION OF CO-AX CABLES

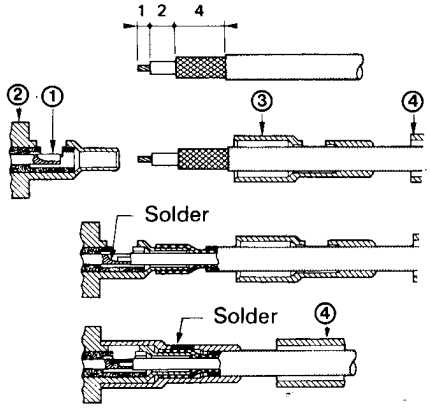
TERMINATION STYLE M1 AND F1

1 Prepare Cable as shown
2 Solder the Core of the Cable to the Inner Contact ① of the Connector
3 Solder the Screen of the Cable to the Connector Body ②



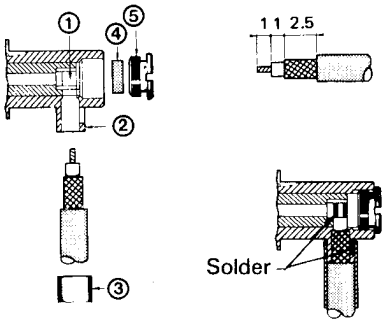
TERMINATION STYLE M2 AND F2

1 Prepare Cable as shown
2 Fit Heat Shrink Sleeve ④ and Cap ③ over Cable
3 Fit Core of Cable into Inner Contact ① and Cable Screen over Outer Connector Body ②
4 Solder the Cable Core to Contact ①
5 Push Cap ③ over Cable Screen
6 Solder Cap ③ and Cable Screen
7 Shrink Sleeve ④ over Cap ③ and Cable



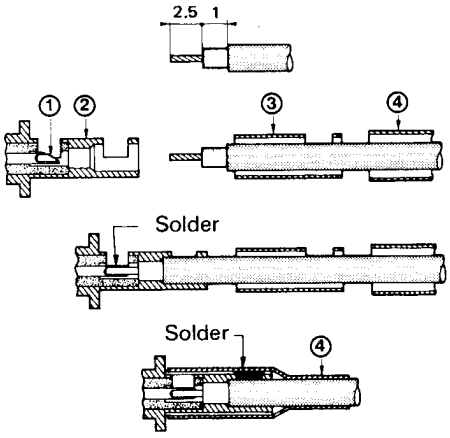
TERMINATION STYLE M4, M42 AND F4, F42

1 Prepare Cable as shown
2 Fit Heat Shrink Sleeve ③ over Cable
3 Push Cable fully into Connector Solder Cable Core to Inner Contact ①, and Cable Screen to Connector Body ②
4 Push Insulator Pad ④ into Back of Connector Body, and assemble Retaining Screw ⑤
5 Shrink Sleeve ③ over Connector and Cable



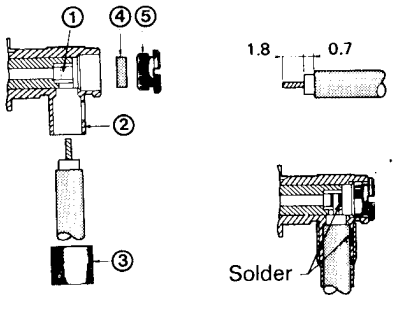
TERMINATION STYLE M6 AND F6

1 Prepare Cable as shown
2 Fit Heat Shrink Sleeve ④ and Sleeve ③ over Cable
3 Push Cable into Body ②
4 Solder Cable Core to Inner Contact ①
5 Push Sleeve ③ over Cable until it is against Shoulder of Body ② and Solder
6 Shrink Sleeve ④ over Connector and Cable



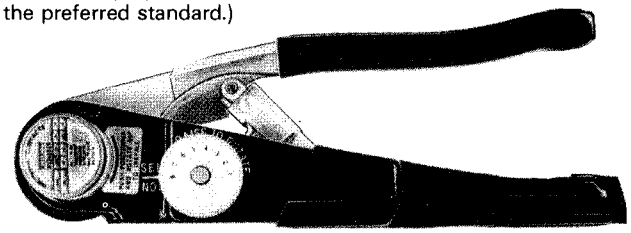
TERMINATION STYLE M46 AND F46

1 Prepare Cable as shown
2 Fit Heat Shrink Sleeve ③ over Cable
3 Push Cable fully into Connector Solder Cable Core to Inner Contact ① and Cable Outer to Connector Body ②
4 Push Insulator Pad ④ into Back of Connector Body, and assemble Retaining Screw ⑤
5 Shrink Sleeve ③ over Connector and Cable



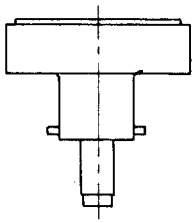
TOOLS

Hand Crimp Tool. M22520/2-01
8 Indent Die Set. (Replaces MS-3198-1
and is the preferred standard.)



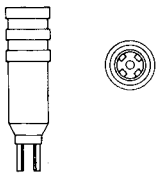
CRIMP TOOL POSITIONER

McMurdo
Part No.
MP 5320.



Contact Style	Wire Size/Crimp Tool Setting			Wire Strip Length
	22 A.W.G.	24 A.W.G.	26 A.W.G.	
S (Non BS style)	6	—	—	4.0
SM	6	5	4	4.0
SF (Non BS style)	6	—	—	4.0
SMF	5	4	3	4.0

Removal Tool for
Male and Female Contacts
Order Code: MP 5499



Removal Tool for Co-axial
and High Power Contacts
Order Code: MP 5302

QUALITY ASSURANCE

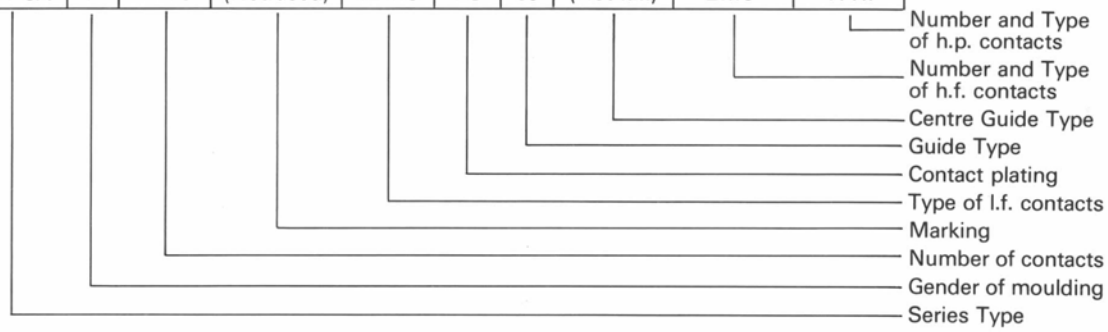
Indent check inspection kit available from Erma-Buchanan part number M22520/3-1 (in Service Gauge).

Tel: +44 (0)1962 773004
Fax: +44 (0)1962 773104

sales@in2connect.uk.com
<www.in2connect.uk.com>

ORDER CODES

	1	2	3	4	5	6	7	8	9	10
(a)	801	M	72	FREE	YM	NG	D	(E)	(Not l.f.)	(Not l.f.)
(b)	801 CX	F	41+3	FIXED	YBMO	NG	JS	(Not h.f.)	2M3	1FHI
(c)	801 CX	F	41+3	(Not used)	YBMO	FG	CJ	(Not h.f.)	2M3	1FHI



Example of relationship McMurdo Part Nos. to BS9525 N0001 Iss 2 Part Nos.

BS Part No.	B5101	072	M	L	64	1
McMurdo Definition No.	4	3	2	5	7 (8)	7 (8)
Catalogue Reference – Page	3	4 and 5	3	6	3 and 8 to 10	

DEFINITION

1 Series type: (a) 801 l.f. Hexagonal Guides (BS9525 N0001 Style)
(b) 801 CX Combined l.f./h.f. Hexagonal Guides (BS9525 F0027 Style)
(c) 801 CX Combined l.f./h.f. Quadrangular Guides (BS9525 F0012 Style)

2 Gender of moulding: M takes male l.f. contacts F takes female l.f. contacts
Note: Hexagonal guide styles, all contacts should be the same gender.
Quadrangular guide styles, h.f. and high power contacts may be the same or opposite gender.

3 Number of contacts: See page 4 and 5 for Mould sizes

4 Marking: See page 3 for definition of fixed or free (BS 9525 N0001 ISS2. B5100 = fixed, B5101 = free)
Note: For Quadrangular guided combined l.f./h.f. connectors it is not necessary to identify fixed or free as gender of moulding determines marking.

5 Type of l.f. contact: See page 6 for termination styles

6 Contact plating: NG, FG or MG See Technical Data page 2.

7 Guide type: See page 3 and pages 8 to 10

8 Centre Guide type: 72, 84 and 96 way l.f. connectors only
Note: For guide styles available in stainless steel ADD suffix 'S' to part no. e.g. JS (ES)

9 Number and type of h.f. contacts (supplied loose): See page 7

10 Number and type of High Power Contacts (supplied loose): See page 7

ACCESSORIES

COVER ORDER CODES

Mould Size							
	h.f.	5+3	17+3 5+6 0+7		29+3 17+6	41+3 29+6	53+3 41+6
	l.f.	17	29	33	41	53	65
Full Pin Shroud		5401/3	5402/3	5403/3	5404/3	5405/3	5406/3
Half Pin Shroud*		5401/2	5402/2	5403/2	5404/2	5405/2	5406/2
No Pin Shroud		5401/1	5402/1	5403/1	5404/1	5405/1	5406/1

For Top entry ADD suffix T e.g. 5405/3/T For Side entry ADD suffix S e.g. 5404/3/S
For use with quadrangular guided connectors add prefix CX e.g. CX 5402/3/T
*For reversed version of Half Pin Shroud illustrated on page 13 ADD suffix 'A' e.g. 5403/2A/T.

SHROUD KITS

SIZE	ORDER CODE
17 WAY	MP5335 - 17
29 WAY	MP5335 - 29
33 WAY	MP5335 - 33
41 WAY	MP5335 - 41
53 WAY	MP5335 - 53
65 WAY	MP5335 - 65
72 WAY	MP5335 - 72
84 WAY	MP5335 - 84
96 WAY	MP5335 - 96

FOR TOOL ORDER CODES REFER TO PAGE 15

IN2CONNECT ELECTRONIC CONNECTORS

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PO3 5HT
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Fax: +44 (0)23 9265 3356

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Fax: +44 (0)1962 773104

<www.in2connect.uk.com>