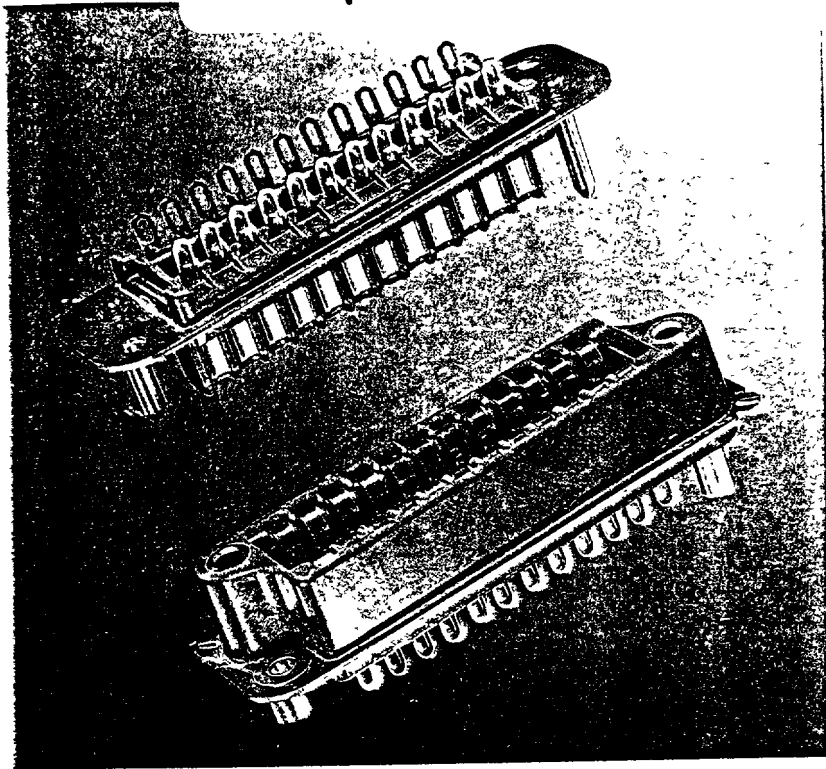


## RED RANGE



## FEATURES

- Floating bushes to assist alignment
- 180° polarised
- Dowel polarised for blind mating
- Rugged construction
- Cover with universal top or side entry cable clamp

## INDUSTRIAL RACK AND PANEL

## TECHNICAL DATA

## MATERIALS

Insulator	Nylon PF or Diallyl-phthalate (D.A.P)
Contact	Copper alloy plated hard acid gold
Mounting plates	Stainless steel
Latching screws & bushes	Mild steel bright nickel plate
Dowels	Brass nickel plate
Covers	Aluminium (silver anodised)

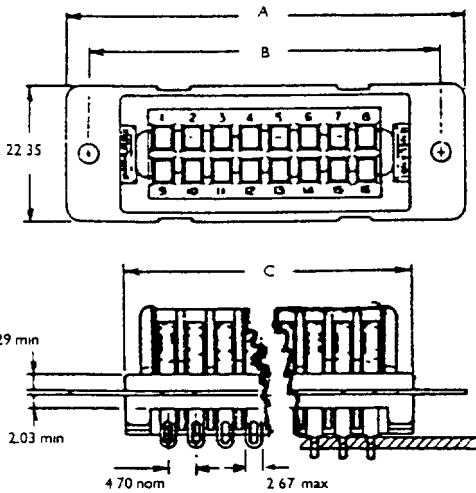
## ELECTRICAL

	NYLON PF	D.A.P.
Current	at 80°C Tamb 5A max	at 100°C Tamb 5A max
All contacts simultaneously	800Vd.c or a.c peak	800Vd.c. or a.c peak
Working Voltage	3.5k Vd.c. or a.c. peak	3.5kVd.c or a.c peak
Proof Voltage	5mΩ max.	5mΩ max
Contact Resistance (initially)	10 mΩ max	10mΩ max
(after conditioning)	10 <sup>5</sup> MΩ min	10 <sup>7</sup> MΩ min
Insulation Resistance (initially)	10 <sup>4</sup> MΩ min	10 <sup>6</sup> MΩ min.
(after conditioning)		

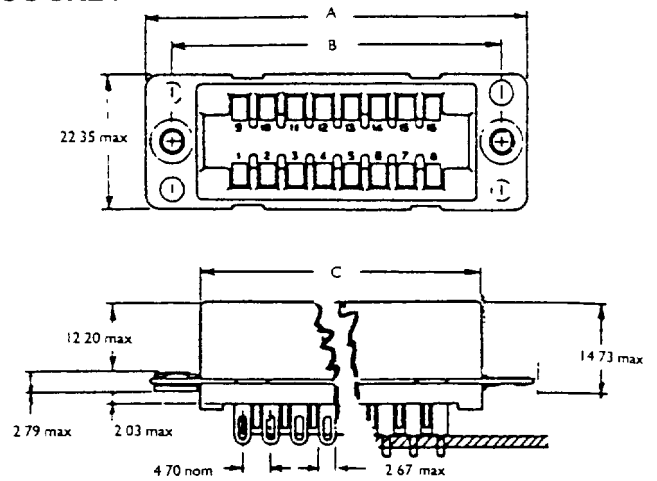
## MECHANICAL

Mechanical operations	500	500
Insertion and withdrawal forces (contact pair)	2.25N max / 0.75 min	2.25N max / 0.75 min
Climatic category	40/100/21	55/125/56

## PLUG



## SOCKET

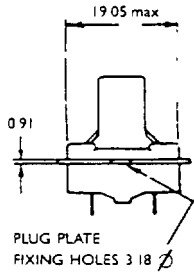


### SOLDER TERMINATION

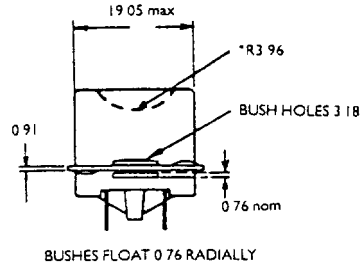
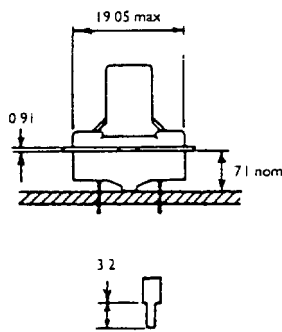
### P.C. TERMINATION

### SOLDER TERMINATION

### P.C. TERMINATION

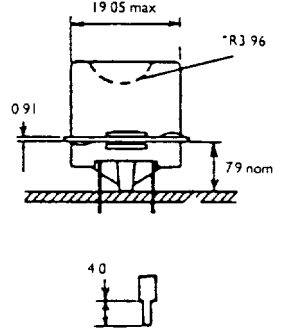


PLUG PLATE  
FIXING HOLES 3.18  $\phi$



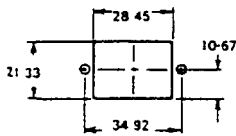
BUSHES FLOAT 0.76 RADIALLY

\*NOTE ENDS ARE RELIEVED ON  
32 WAY SOCKETS ONLY

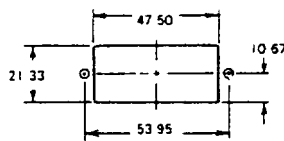


## MOUNTING DETAILS (SOLDER TERMINATION)

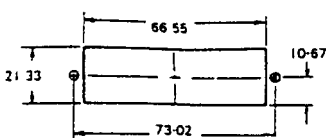
8 WAY



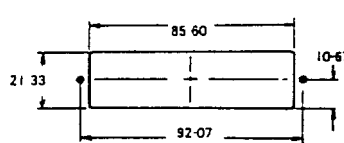
16 WAY



24 WAY



32 WAY



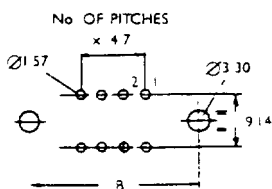
Plug and Socket dimensions

No of ways	A max	B crs	C max
8	43.94	34.92	26.42
16	62.99	53.97	45.47
24	82.04	73.02	64.52
32	101.09	92.07	83.57

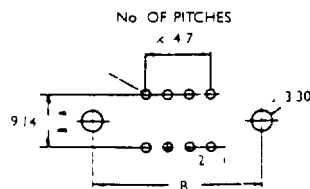
NOTE ALL FIXING HOLES 3.30  $\phi$

## MOUNTING DETAILS (P.C. TERMINATION)

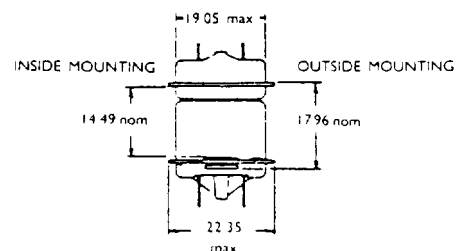
VIEW FROM REAR OF PLUG



VIEW FROM REAR OF SOCKET

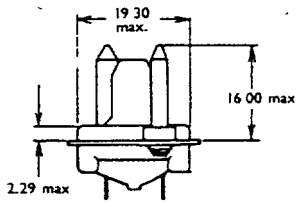
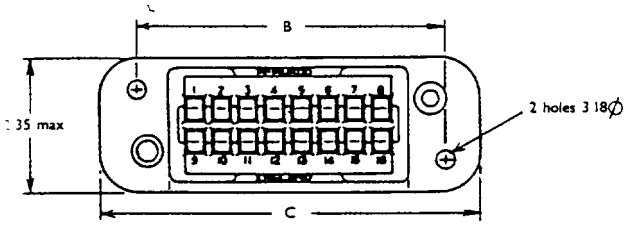
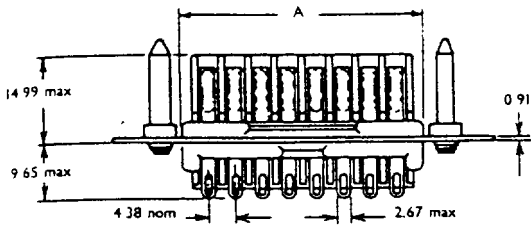


BARRIER POLARISED PLUG AND SOCKET MATED

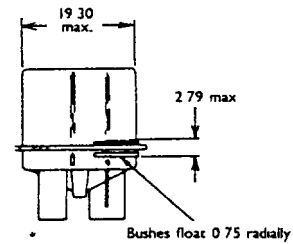
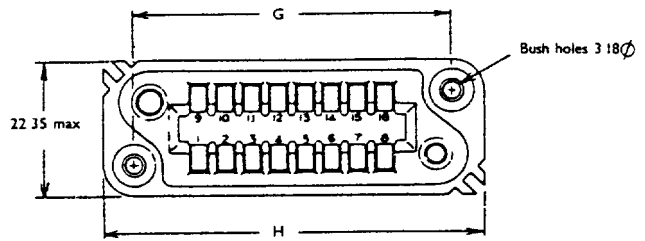
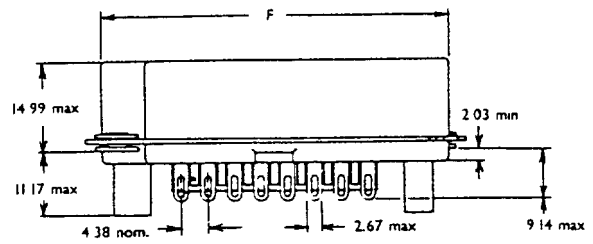


# DOWEL POLARISED

PLUG



SOCKET

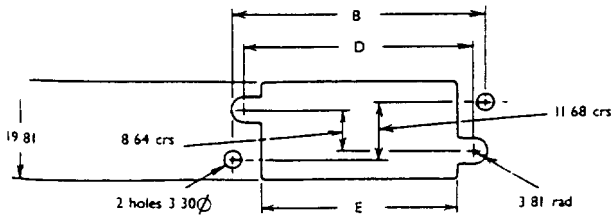


## DIMENSIONS

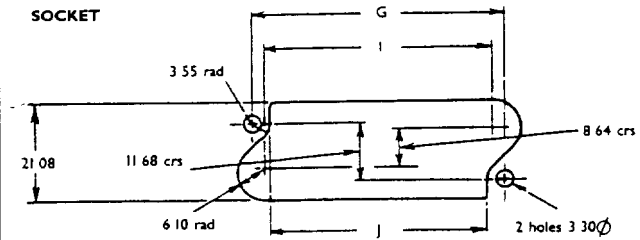
No of ways	A max.	B crs	C max	D crs	E nom	F max	G crs	H max	I crs	J nom
16 way	39 65	51 41	62 15	46 79	40 64	57 90	51 61	61 98	46 81	44 70
24 way	57 02	68 68	79 45	64 06	57 91	74 17	68 48	79 32	63 58	61 72
way	74 50	85 95	96 77	81 33	75 54	91 95	85 95	96 65	81 33	79 48

## MOUNTING DETAILS (From wiring side)

PLUG



SOCKET



# McMurdo

TEL: (0705) 735361 FAX: (0705) 821777 64

# ORDERING INFORMATION

DESCRIPTION			ORDER CODE			
STYLE	GENDER	NO OF WAYS	MOULDING MATERIAL			
			NYLON PF	DIALLYL-PHTHALATE		
Barrier Polarised	Plug	8	RP8	DRP108		
		16	RP16	DRP116		
		24	RP24	DRP124		
		32	RP32	DRP132		
		8	RS8(P)*	DRS108(P)*		
	Socket	16	RS16(P)*	DRS116(P)*		
		24	RS24(P)*	DRS124(P)*		
		32	RS32(P)*	DRS132(P)*		
		Barrier Polarised P.C.B Tail	Plug	8	RP8-T	DRP108-T
				16	RP16-T	DRP116-T
24	RP24-T			DRP124-T		
32	RP32-T			DRP132-T		
8	RS8(P)-T*			DRS108(P)-T*		
Socket	16		RS16(P)-T*	DRS116(P)-T*		
	24		RS24(P)-T*	DRS124(P)-T*		
	32		RS32(P)-T*	DRS132(P)-T*		
	Dowel Polarised		Plug	16	RPD16	DRPD116
				24	-	DRPD124
32		-		DRPD132		
Socket		16	RSD16	DRSD116		
		24	-	DRSD124		
		32	-	DRSD132		

\* Sockets are normally supplied with floating bushes to assist alignment when mounted on racks and chassis. For sockets without floating bushes – add P to end of order code e.g Order code RS24P

## COVER with LATCHING CLIPS

Latching clips are supplied separately, 2 off each per assembly. When the latching clips are fitted to sockets it is advisable to use sockets without the floating bushes mounting plate add P to end of order code.

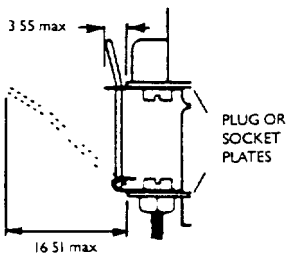
Contact Arrangement	A max.	B crs.	C max.	D max.	E max.
8	32.51	34.92	36.83	40.89	9.40
16	51.56	53.97	43.18	47.24	12.70
24	70.61	73.02	43.18	47.24	15.74
32	89.66	92.07	43.18	47.24	15.74



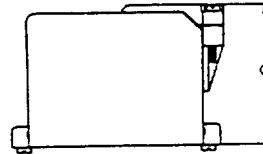
LATCH CLIP RL H



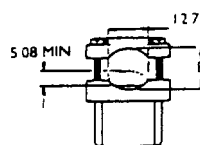
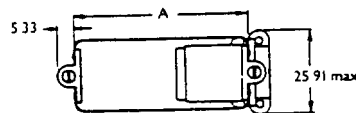
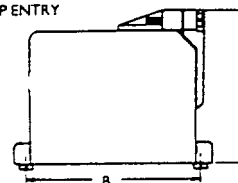
LATCH PLATE RL-L



SIDE ENTRY



TOP ENTRY



### COVER ORDERING INFORMATION

#### SIZE

- 8 way = RC108
- 16 way = RC116
- 24 way = RC124
- 32 way = RC132

# McMurdo