

**MALE CONNECTORS**

**Outline Dimensions and Termination Styles**



**IN2CONNECT**  
ELECTRONIC CONNECTORS

**Contact Pitch**

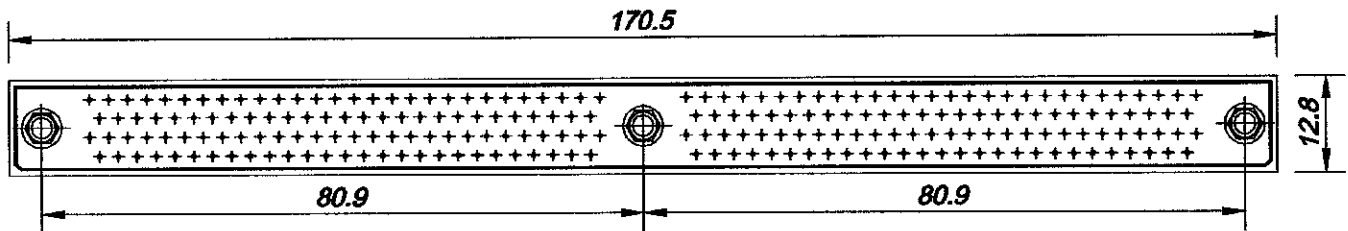
**4 Rows**

**2.54mm between each row**

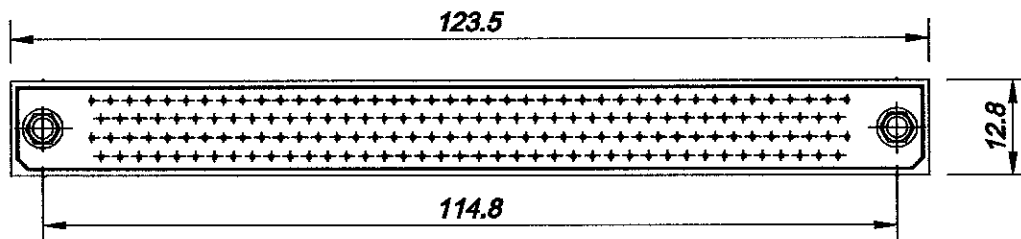
**2.54mm between contacts**

**Adjacent rows of contacts offset 1.27mm**

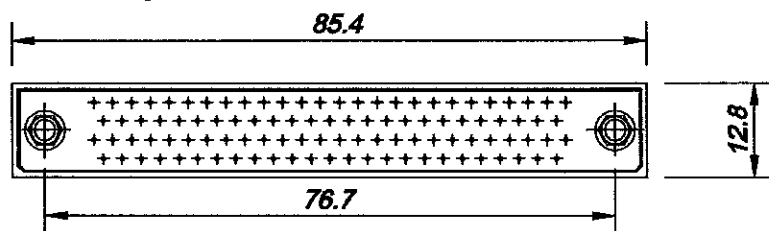
**220 way**



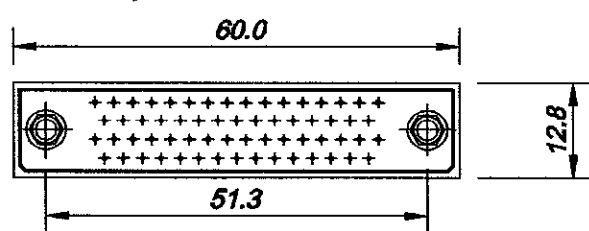
**162 way**



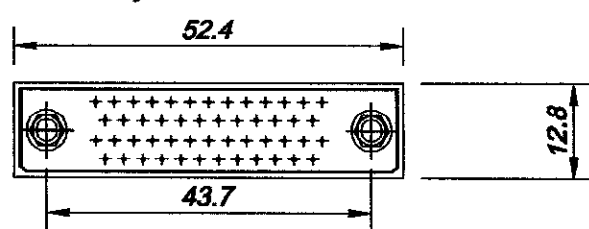
**102 way**



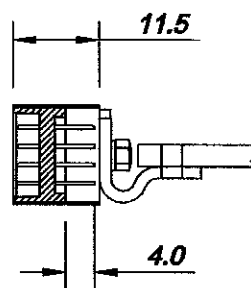
**62 way**



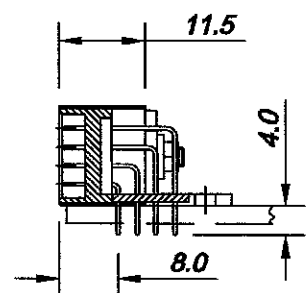
**50 way**



**Connectors with terminations for flexible circuits**



**Connectors with 90° p.c. terminations**



**ITW** **McMurdo**  
Connectors  
NORWAY ROAD, HILSEA, PORTSMOUTH,  
HANTS, ENGLAND PO3 5HT  
Tel: 01705 694971 Fax: 01705 653356/666352

**FEMALE CONNECTORS**

**Outline Dimensions and Termination Styles**

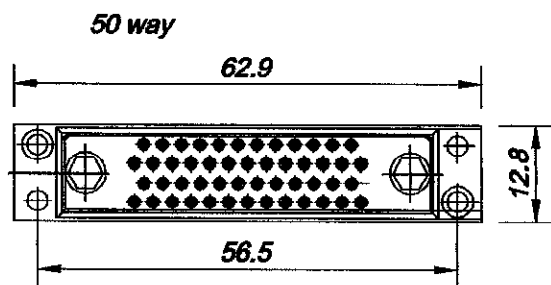
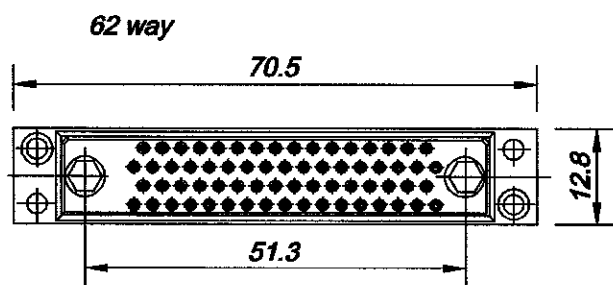
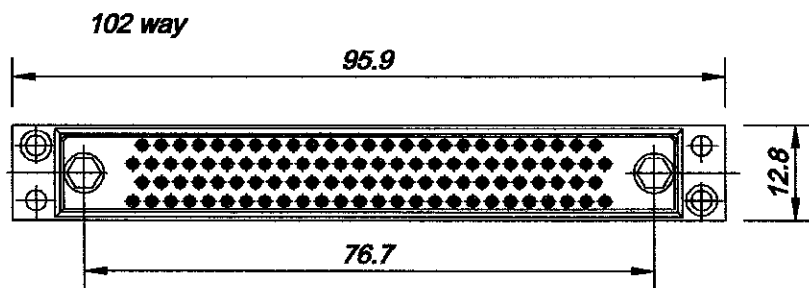
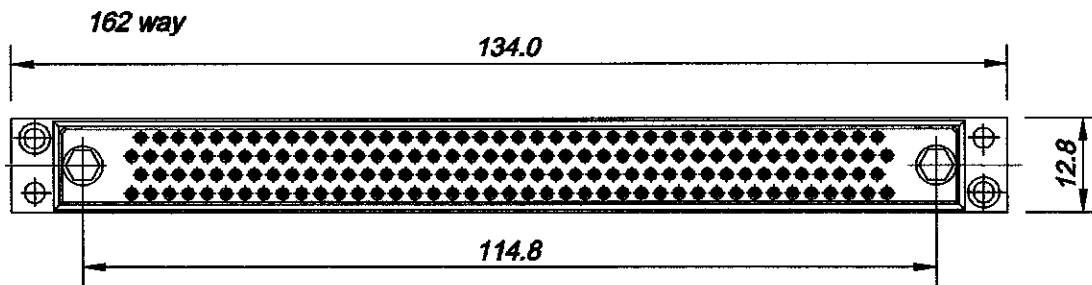
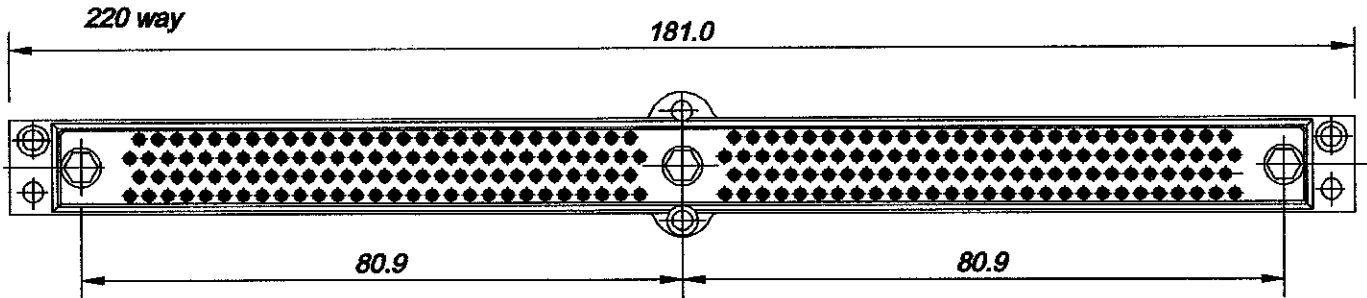
**Contact Pitch**

4 Rows

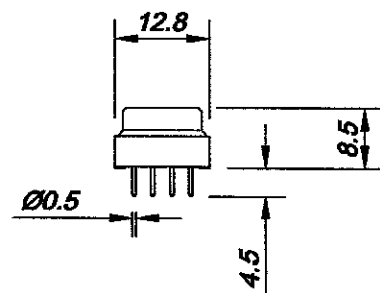
2.54mm between each row

2.54mm between contacts

Adjacent rows of contacts offset 1.27mm

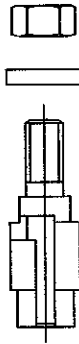


Connectors with straight p.c. terminations

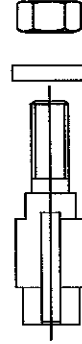


**MALE CONNECTORS**

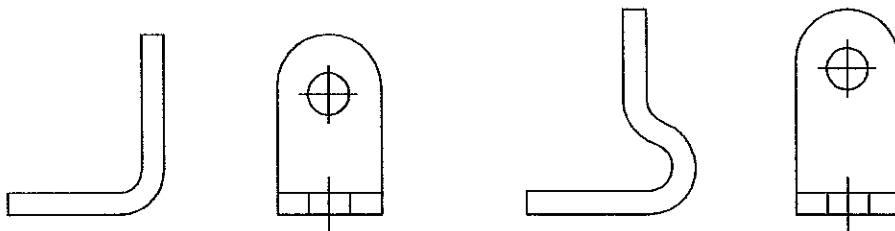
**Fixing and Locking Accessories**



**Female Guide**  
**90° Locking (Polarised)**



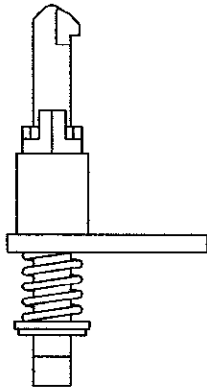
**Female Jackscrew Guide**  
**(Polarised)**



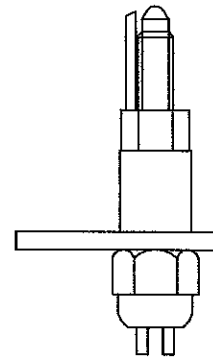
**P.C.B. Mounting Brackets available with female fixings if required**

**FEMALE CONNECTORS**

**Fixing and Locking Accessories**



**Male Guide Pin**  
**90° Locking (Polarised)**



**Male Jackscrew**  
**(Polarised)**

## ELECTRICAL

*Current (individual contacts) - 3.3A @ 25°C / 2.6A @ 85°C*

*Current (all contacts) - 3.0A @ 25°C / 2.2A @ 85°C*

*Contact Resistance (initially) - 10mOhms max*

*Contact Resistance (after conditioning) - 13mOhms max*

*Working Voltage (sea level) - 250V d.c. or a.c. peak*

*Proof Voltage (sea level) - 1000V d.c or a.c. peak*

*Insulation Resistance (initial) - 1000MOhms (min)*

*Insulation Resistance (after conditioning) - 100MOhms (min)*

## ENVIRONMENTAL

*Operating temperature - 55° TO +125°C*

*Vibration Severity (General) - 10Hz to 2000Hz @ 0.75mm/10g for 6hrs*

*Vibration (additional) - 13.3Hz to 2000Hz random with superimposed sinusoids, duration 15minutes in each of four planes. No intermittencies when measured using an H.S.L.I. detector with trip threshold of 2nsec*

*Bump severity - 390M/sec/sec (40g) 4000±10 bumps*

*Shock severity - 981M/sec/sec (100g) for 6msec*

*Acceleration severity - 490M/sec/sec (50g)*

*Salt spray - 96hrs*

*Humidity - 56 days*