



# "PIM" MODULAR INTERCONNECTION PANELS

- Maximum interconnection capacity in the least space.
- 2 configurations - 576 or 672 contact points.
- Connections are derived from MIL-C-38999 Standard.

## SECTION 2°

- Type 1725 WM9 - 576 contact points (Fig. 1 - 2-3) Includes rigid composite fixed plate, 64 removable clipsable modules with 9 sealed quick junction contacts size 22, a rigid composite removable plate, with 576 wrap connection terminals protected by a transparent removable cover.
- Type 1725 WM21 - 672 contact points - Protected by EMI/RFI (Fig. 4) Includes a black anodized aluminum alloy plate, 32 removable clipsable modules with 21 sealed quick junction contacts size 22, a black anodized aluminum alloy removable plate with 672 wrap connection terminals protected by a removable stainless steel cover.

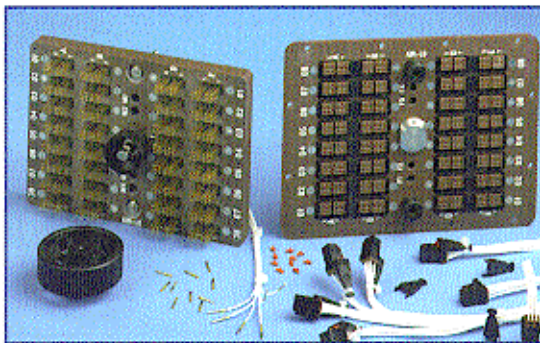


Fig. 1

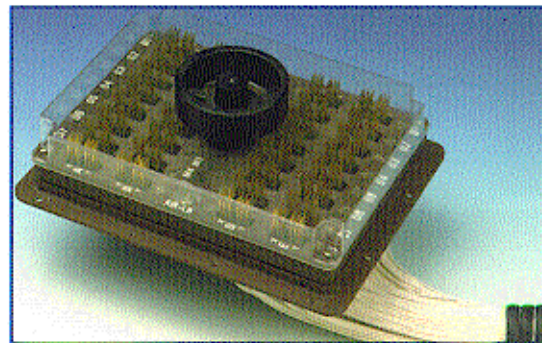


Fig. 2

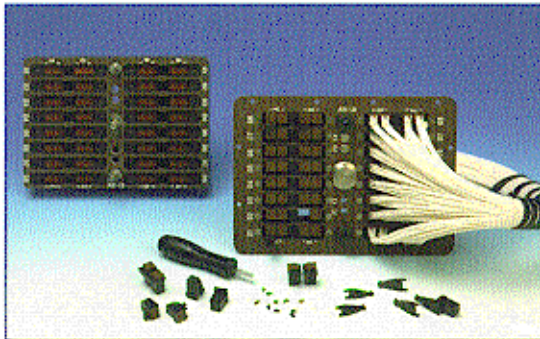


Fig. 3

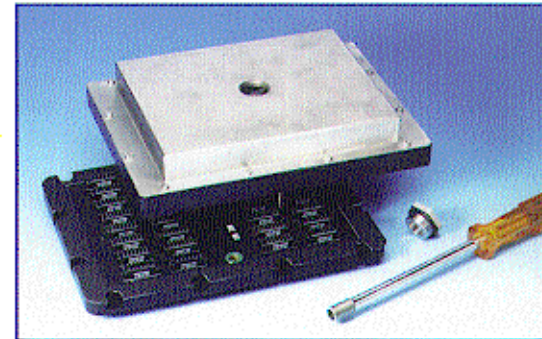


Fig. 4

## TECHNICAL DATA

### ELECTRICAL

Withstand voltage	
- Sea level	: 1 500 V 60 Hz
- 21 000 meters	: 350 V Hz
Insulation resistance	: >5 000 MΩ
Contact resistance according to	: MIL-C-39029
Contact #22 max amperage	: 5 A

### FLUID RESISTANCE

According to MIL-L-23699 - MIL-L-7870/A - AIR 3660/A  
 MIL-D-1679 (type 1) - PD680 (type 1) Glycol  
 trichloroethane - Nethylethyl ketone - Skydrol 50 B4  
 Hyjet IV - Skydrol LD4

**OPERATING TEMPERATURE** : -55°C+150°C permanent

Reference	Contact		Cable mm <sup>2</sup>		Outside Ø		AWG
	Size		Min.	Max.	Min.	Max.	
001704 100 02	22 D		0,15	0,38	0,74	1,37	26 - 24 - 22
001704 120 02	22			0,60	0,20	1,50	20



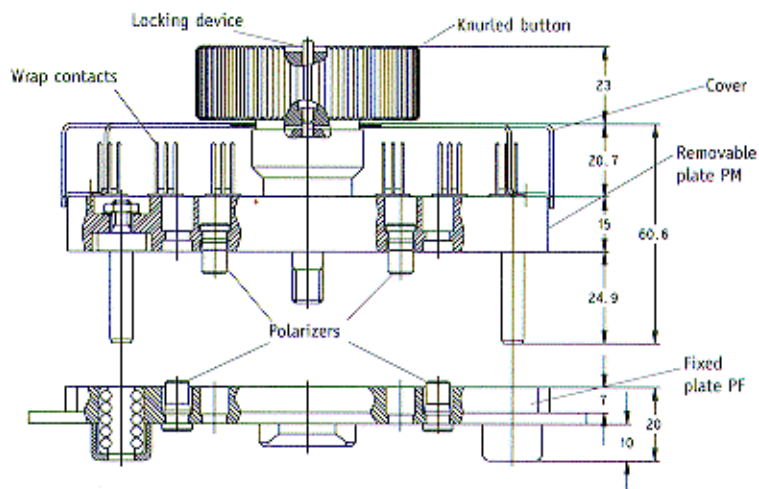
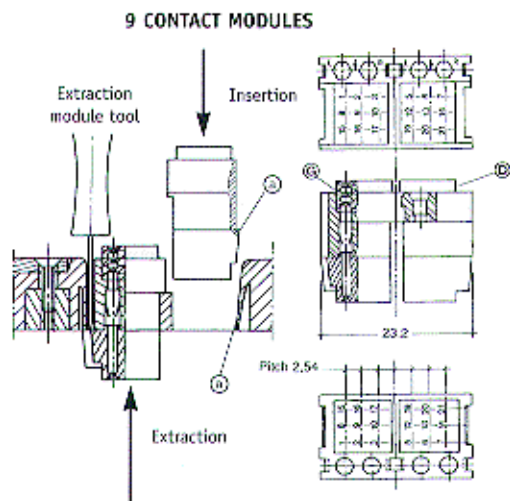
295 Kesmark  
 Dollard-des-Ormeaux,  
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The removable plate PM is assembled on the fixed plate PF with a self-locking screw with a knurled button. When assembling the PM plate on the PF plate, polarizing is ensured by four coupling polarizers; 2 on the fixed plate (PF) and 2 on the removable plate (PM) to position in the back in the four housings available. Modules are mounted with a mechanical locking and quick polarizing system. All contacts are identified on the back or interfacing sides.

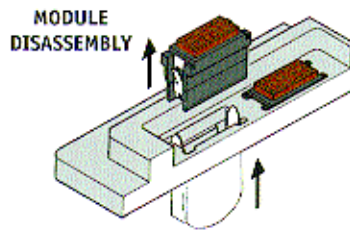
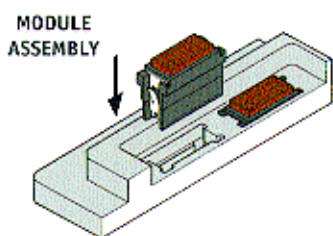
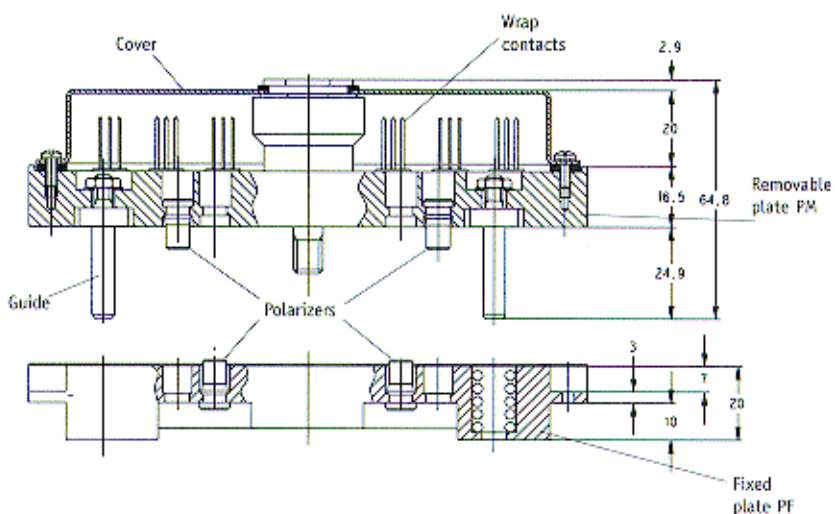
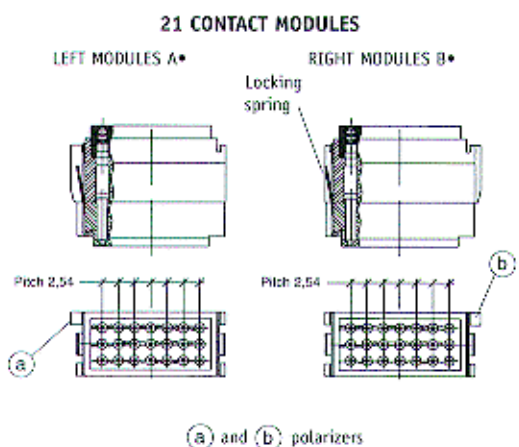
Modules include an insulating shell and a sealing gasket on the insertion side of the wired contacts.

- 1725 WM9: Modules with 9  $\text{\textcircled{S}}$  contacts used per pair, one right  $\text{\textcircled{R}}$ , one left  $\text{\textcircled{L}}$ .
- 1725 WM21: Modules with 21 S contacts for assembly  $\text{\textcircled{A}}$  left,  $\text{\textcircled{B}}$  right.

### TYPE 1725 WM9



### TYPE 1725 MW21



This equipment allows the interconnection of aircraft equipment with the following advantages:

- Great time saving during production by using a programmable wrapping machine.
- Eliminating possibilities of assembling errors because of three polarizing systems: modules, assembling PM on PF, PF fixation on the structure.

- Great reliability in personalizing planes as far as their equipment is concerned.
- Instant disconnection of removable plate PM which allows:
  - modifications,
  - a new equipment personalization by changing the removable plate (PM),
  - to quickly test point by point or by circuit.