

MILITARY SPECIFICATION SHEET

INTERCONNECTION BOX, FIBER OPTIC, SPLICE TRAY HOLDER MODULE

This specification is approved for use by all Departments and Agencies of the Department of Defense

The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation MIL-I-24728

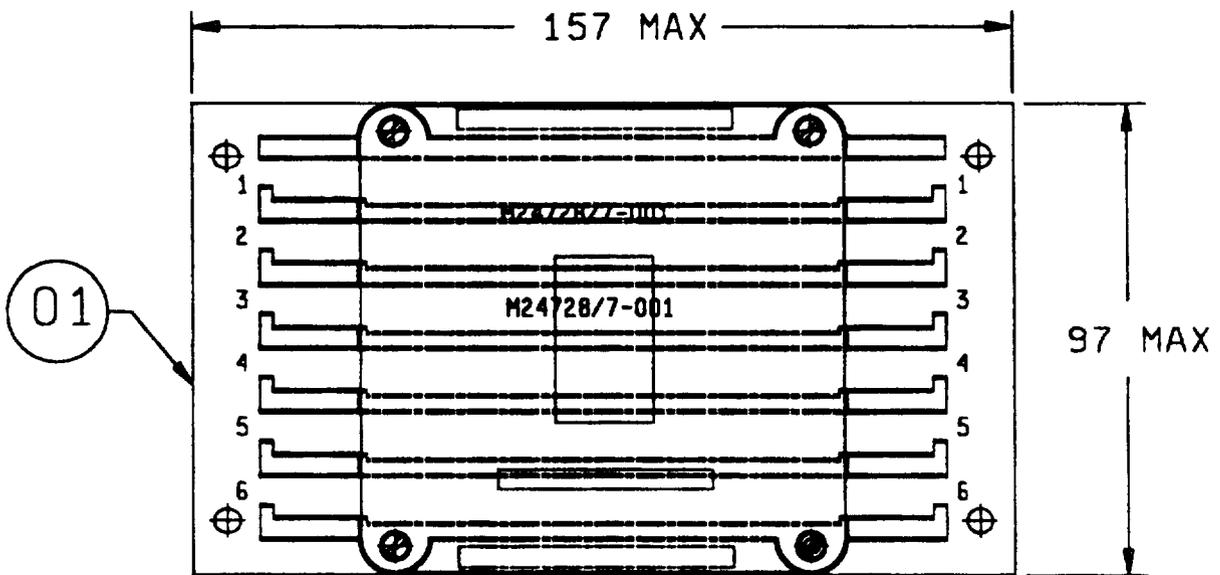
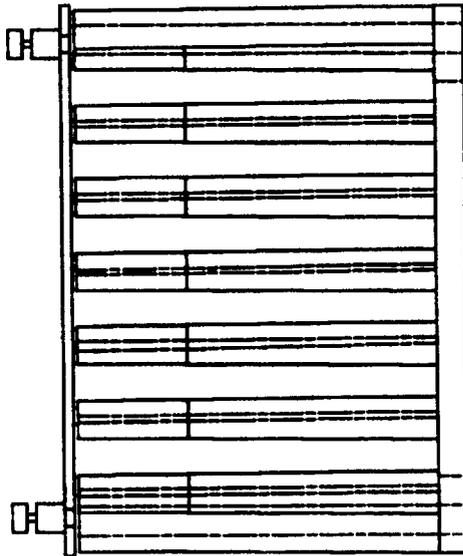
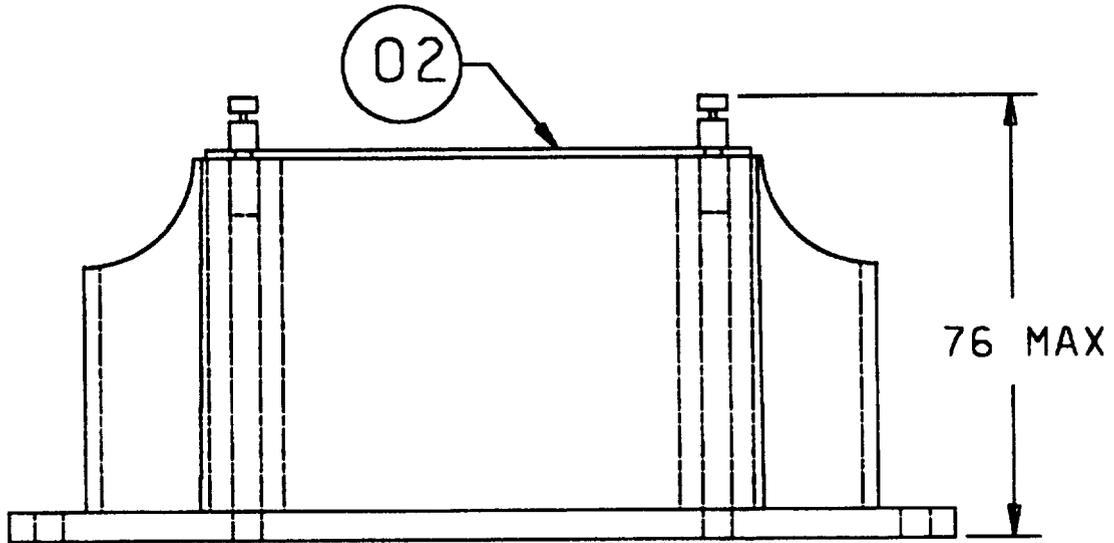


FIGURE 1 Splice tray holder module, M24728/7-001



mm	Inches
76	3 0
97	3 8
157	6 2

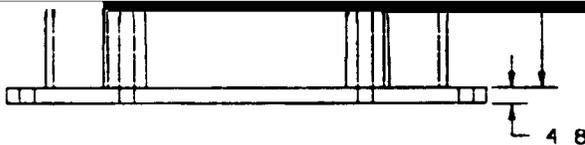
NOTES

- 1 Dimensions are in millimeters
- 2 Inch-pound equivalents are given for information only
- 3 Unless otherwise specified, tolerance is  $\pm 2.5$  mm (1 inch) for one-place decimals
- 4 For identification of subcomponent parts, see table 1

FIGURE 1 Splice tray holder module, M24728/7-001 Continued



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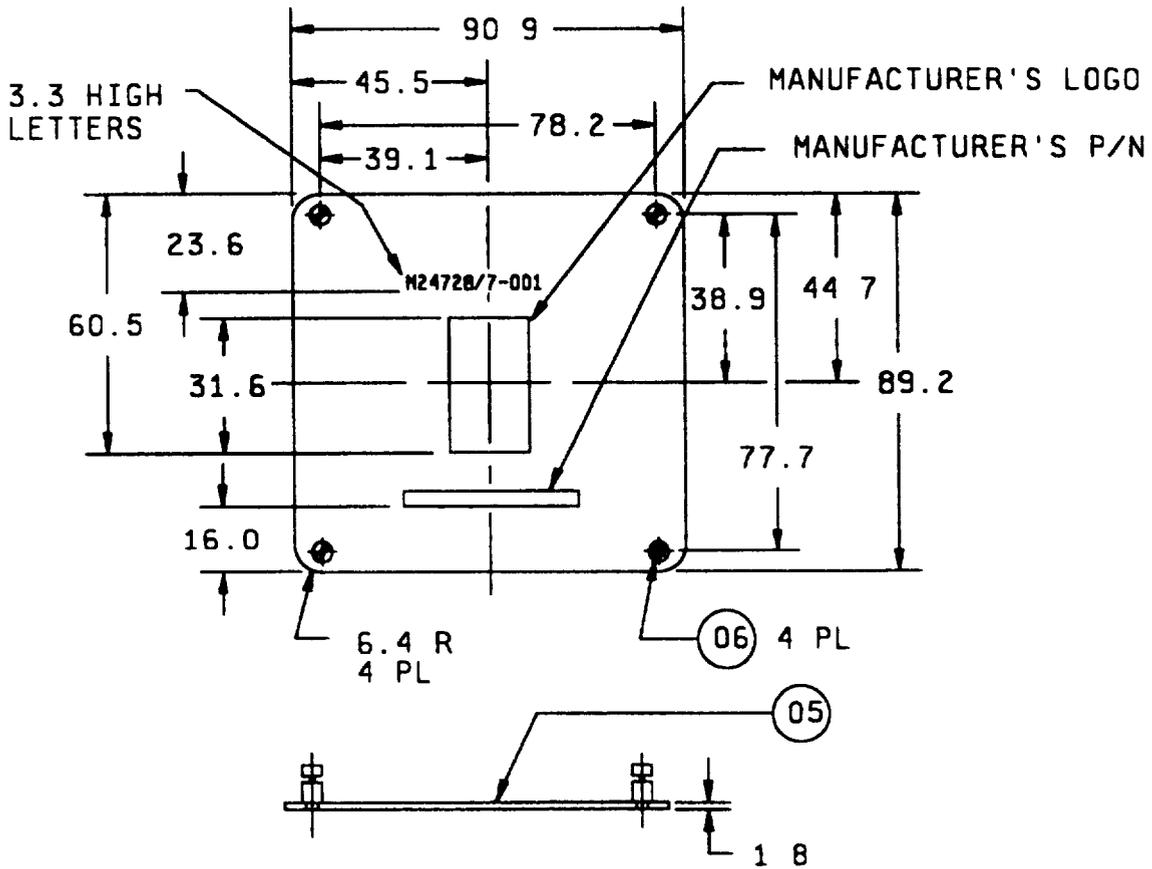


mm	Inches	mm	Inches	mm	Inches
3 3	.13	17 3	.68	97	3 8
4 8	.19	18	.7	124	4 9
6 6	.26	58	2 3	130	5 1
7 6	.30	69.9	2 75	141 2	4 9
10	.4	78 2	3 08	157	6 2
12 7	.50	79 5	3 13		
15 2	.60	89	3 5		

NOTES

- 1 Dimensions are in millimeters
- 2 Inch pound equivalents are given for information only
- 3 Unless otherwise specified, tolerance is  $\pm 2.5$  mm ( .1 inch) for one-place decimals, and  $\pm 3$  mm ( .01 inch) for two place decimals

FIGURE 2. Splice tray holder assembly



mm	Inches	mm	Inches	mm	Inches
1.8	.07	31.6	1.25	60.5	2.38
3.3	.13	38.9	1.53	77.7	3.06
6.4	.25	39.1	1.54	78.2	3.08
16.0	.63	44.7	1.76	89.2	3.51
23.6	.93	45.5	1.79	90.9	3.58

NOTES

- 1 Dimensions are in millimeters
- 2 Inch-pound equivalents are given for information only
- 3 Unless otherwise specified, tolerance is  $\pm 0.5$  mm (0.1 inch) for one-place decimals, and  $\pm 0.3$  mm (0.01 inch) for two place decimals

FIGURE 3 Splice tray holder cover assembly

TABLE I. Parts list

Subcomponent identification numbers, circled (see figures 1 through 3)	Part name	PIN	Subassembly number		Remarks and reference figures
		001	01	02	
01	Splice tray holder assembly	1	1		1 and 2
02	Splice tray holder cover assembly	1		1	1 and 3
03 <u>1/</u>	Splice tray holder		1		2
04 <u>2/</u>	M3.5 x .79 (6-32) insert		4		2
05 <u>1/</u>	Splice tray holder cover			1	3
06 <u>2/</u>	M3.5 x .79 (6 32) captive screw			4	3

1/ Lexan plastic in accordance with ASTM-D-3935, G E #121, clear, or equivalent

2/ CRES

#### REQUIREMENTS

Design and Construction See figures 1 through 3, and table I

Mass (M24728/7-001) 454 kg (1 pound maximum)

Patch panel module mounting See figure 5 of MIL-I-24728/1

Interconnect organization

Fiber optic splices The splice holder shall organize up to 6 MIL-S-24623/4 splice trays and 36 MIL-S-24623/4 splices

Cable retention Not applicable

Cable seal flexing Not applicable

Cable twist Not applicable

Compression resistance Not applicable

Impact Not applicable

Water pressure Not applicable

Flammability Not applicable

Salt Spray Not applicable.

Flame Spread Not applicable

Fungus test shall be conducted only on polymeric materials

Temperature range The operating temperature range shall be -54°C to +65°C and the storage range shall be -62°C to +85°C

Part or Identifying Number (PIN) See table I

M24728/7 001, Splice tray holder assembly and splice tray holder cover assembly

MIL-I-24728/7

Qualification by similarity. Manufacturers who produce products for either MIL-I 24728/1, MIL I 24728/2, or MIL I-24728/3 and this specification sheet, and are qualified under MIL I 24728/1, MIL-I-24728/2, or MIL-I 24728/3, and pass size inspection specified herein, are qualified under this specification sheet

The US Government preferred system of measurement is the metric SI system. However, this item was originally designed using inch-pound units of measurement. In the event of conflict between the metric and inch-pound units, the inch-pound units shall take precedence.

CONCLUDING MATERIAL

Custodians

Army CR  
Navy - SH  
Air Force 85  
NASA NA

Review activities

Army AR, MI  
Navy - AS, CG, EC, MC, YD  
Air Force - 17, 19, 80, 99  
DLA - ES

Preparing activity  
Navy SH

Agent  
DLA ES

(Project 5975-1128)