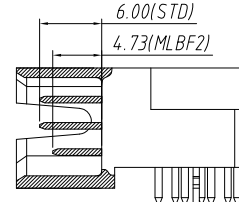
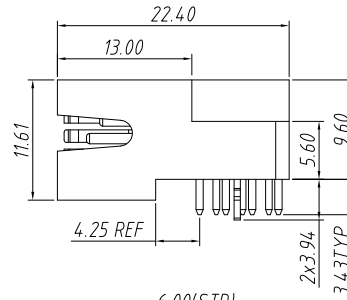
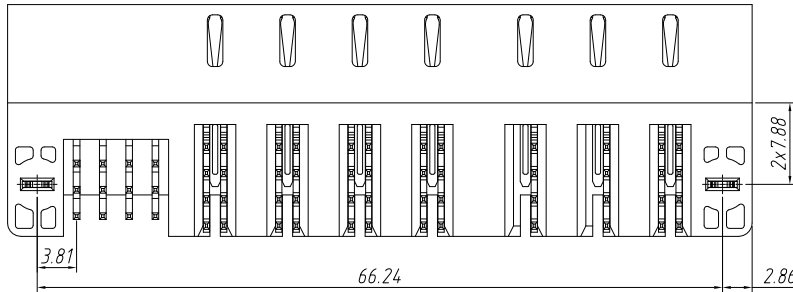
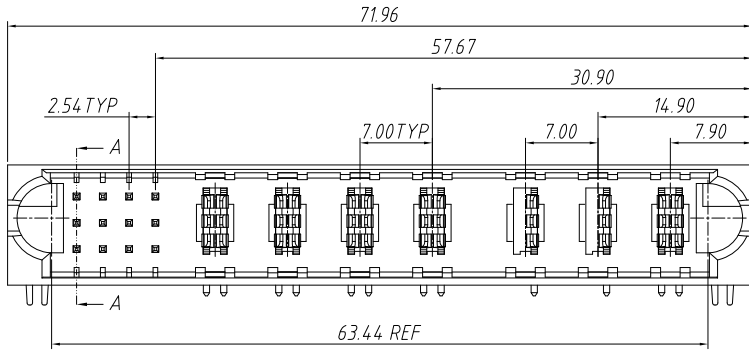
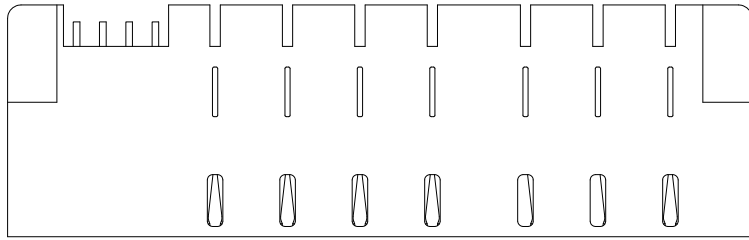
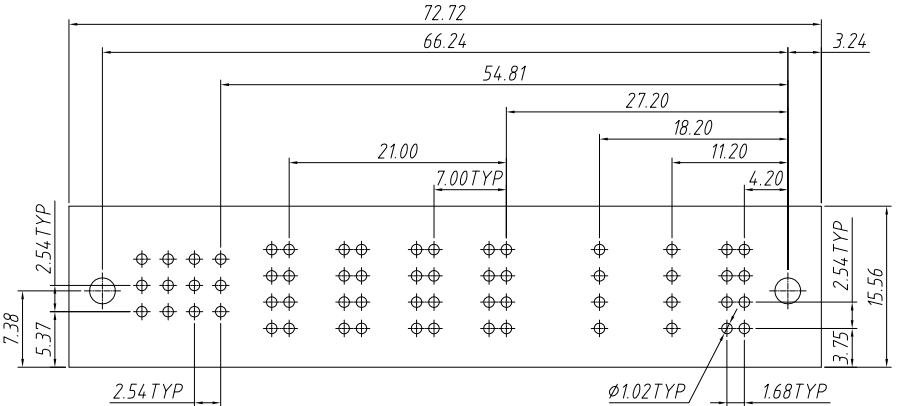


Customer drawing

		CHANGE DESCRIPTION		
Rev.	ECN No.	DESCRIPTION	DATE	APPROVED
X1		First release	07.14/25	David.Guo
X2		Update	07.15/25	David.Guo



SECTION A-A



Recommended PCB size (Tolerance: ± 0.05)

Notes:

1. Material:

- a. Terminals: High performance copper alloy;
- b. Body: Thermoplastic plastic, UL94V-0, Color: black;

2. Plating:

- a. Power terminal: Gold plating on the contact area; Matted Tin Plated on the solder area; Ni underplated all;
- b. Signal terminal: Gold plating on the contact area; Matted Tin Plated on the solder area; Ni underplated all;
- c. Fixed foot: Tin plated over Ni;

3. Electrical performance:

Working voltage: High Power 531V AC; Signal 39V AC.

Current rating: High Power: Single Contact 75A (10 layers X 2ounce);

Low Power: Single Contact 45A (10 layers X 2ounce);

Signal: Single Contact 3A;

Withstand voltage: 2500V DC High/Low Power 1 minute no breakdown;

1000V DC signal 1 minute no breakdown;

Insulation resistance: 1000 MEG OHM Min. power terminal;

500 MEG OHM Min. signal terminal;

Contact resistance: High Power $\leq 0.3m\Omega$; Low Power $\leq 0.6m\Omega$; Signal $\leq 30m\Omega$.

Operating temperature: -40°C TO $+125^{\circ}\text{C}$.

4. Mechanical performance: Durability: 250 cycles;

5. Packing method: Suction plastic box;

6. RoHS compliant.

CODE	CONTACT TYPE
J	SIGNAL (MLBF2)
G	SIGNAL (STD)
F	SIGNAL (STD)
E	SIGNAL (STD)
RS	LOW POWER
LS & RS	HIGH POWER
X	OMIT

ITEM	DESCRIPTION	QTY	REMARKS
⑤	Fixed foot	2	High performance copper alloy
④	Body	1	Thermoplastic plastic
③	Signal terminal	12	High performance copper alloy
②	Low power supply terminal	2	High performance copper alloy
①	High power supply terminal	5	High performance copper alloy

Unless otherwise specified		Responsible person	Date
Tolerances (Metric)		Drawing by:	
.X +/- 0.50		Checked by:	
.XX +/- 0.35		Approved by:	
Angle +/- 5°		File path:	
Material: \		Third-angle projection	
Dimension unit			
English unit			
Metric			

MEDLON Industrial Co., Ltd.

Name: 12S+4P+2LP+1P
Power Connector+ Male RT

DWG No.: JYP-M0001207B-RT001H

Rev.
X2

Scale: First page Total 1 page