

PCB Design Information

The design information regarding PCB material, dimensions, number of layer , color of solder mask, thickness of FR4 material etc. are given in the table below:

PCB design information	
PCB name	MTI-1PEM-9X-4-20240418
PCB size (single module)	3.025x2.312 inch
PCB panel size with extended PCB	
Layers	2
Number of PCBs in ONE panel	9
Required PCB quantity	
Board Thickness	1.6mm
Copper Foil Thickness	35um
Material	FR-4 KB6160, 1oz, Cu, (Finish)
Finishing	Lead free HASL
Solder mask (BOT)	Green
Solder Mask Type	KGS-6188G
V-CUT	yes
V-CUT Thickness	
Electrical Test / E. test	Yes/Mark at board edge
BOW and Twist	≤0.75%
Thermal Stress Test	288°C/10 Sec
Via hole	
P.T.H. Thickness	20um
Silk Screen Layer	White
Date code week/year Print on silk screen layer	
Component Marking Type	M-211(W)
Tin/Lead Thickness	≥1um
Top and Bottom Registration	+/- 3Mills
Solder test	≥95% with plum tin plating
Hardness test	6 H

Screen Shot of the PCB

