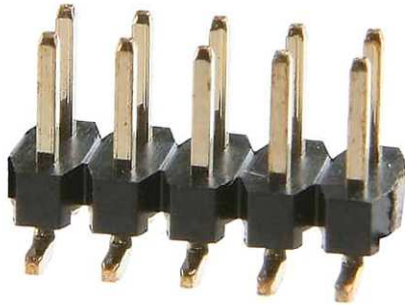


MPSI CONNEX 100-1000 Series 2.00mm (0.079") Pitch 2-Row Vertical, SMT, PCB Hdr: 2A, PA6T UL94V-0, 2 to 80 Contacts. *Order Code 100-1003-XX (See > Options)*

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Images are for Illustrative Purposes Only

100-1000 Series Dual-Row 2.00mm Pitch Male Pin Headers.

Vertical PCB Mounting and SMT Technology.

Rated at 2A, with Standard UL94V-0 (PA6T) Hi-Temp Insulator

Available Options (*See > Options*):

Number of Ways: 1 to 40 (*2 to 80 Contacts*)

Contact Plating

Insulator Materials

Custom Pin & Insulator Height

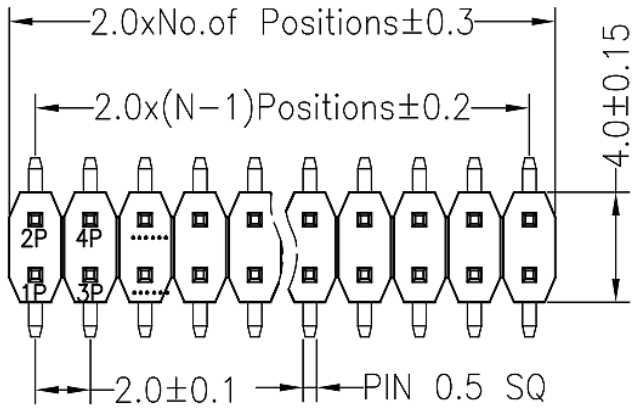
> TECHNICAL SPECIFICATION

PITCH:	2.00MM	
NUMBER OF ROWS:	2	
NUMBER OF WAYS:	1 to 40	(SEE > OPTIONS)
MOUNTING TYPE:	PCB SMT	
ORIENTATION:	VERTICAL	
INSULATOR COLOUR:	BLACK	
INSULATION (PLASTICS):	PA6T UL94V-0 STANDARD	(SEE > OPTIONS)
CONTACT MATERIAL:	BRASS	
CONTACT PLATING:	GOLD FLASH STANDARD	(SEE > OPTIONS)
RoHS COMPLIANT:	YES	
CURRENT RATING:	2A	
CONTACT RESISTANCE:	20 mΩ MAX	
DIELECTRIC WITHSTANDING VOLTAGE:	500V AC	
INSULATION RESISTANCE:	1000MΩ	
OPERATING TEMPERATURE:	-40°C to +105°C	
MAX PROCESSING TEMP (PA6T):	230°C for 30-60 SECONDS (260°C 10 SECONDS)	

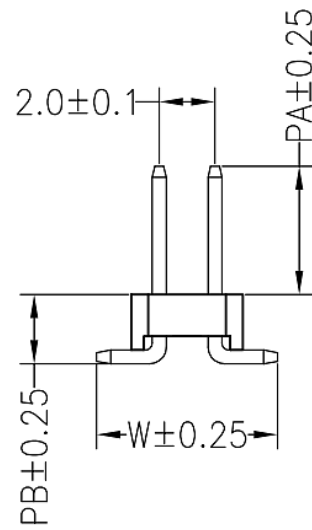
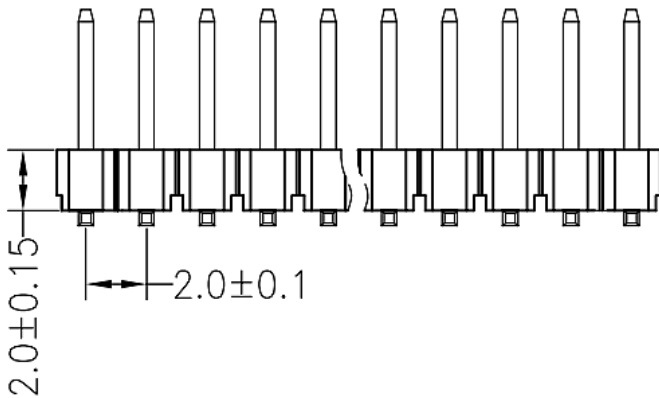
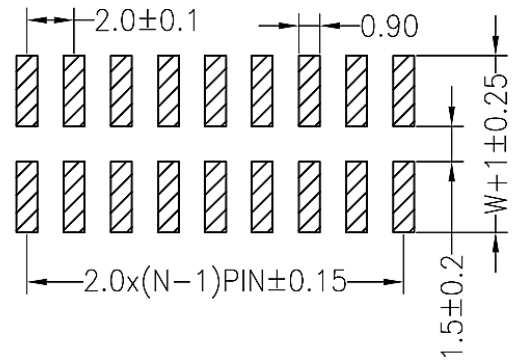
> OPTIONS

NUMBER OF WAYS:	-XX SUFFIX DESIGNATES NUMBER OF WAYS
INSULATOR MATLS: (PA6T POLYESTER HI TEMP AS STD NO SUFFIX)	-A PBT (UL94V-0) -B PA46 BLACK POLYAMIDE NYLON (UL94V-0) -C PA66 BLACK POLYAMIDE NYLON (UL94V-0) -D LCP BLACK (UL94V-0) -E PA9T BLACK POLYAMIDE NYLON (UL94V-0)
CUSTOM PIN (PA) & INSULATOR (PB) HEIGHT: STD PIN (PA) HEIGHT = 3.5MM (NO SUFFIX) STD INSULATOR (PB) HEIGHT = 2.5MM (NO SUFFIX) <i>PLEASE ENQUIRE ON CUSTOM REQUIREMENTS</i>	-PA&VALUE(MM) -PB&VALUE(MM)
CONTACT PLATING: (GOLD FLASH AS STANDARD NO SUFFIX)	-G1 1U" GOLD -G2 1.5U" GOLD -G3 2U" GOLD -G4 3U" GOLD -G5 5U" GOLD -G6 10U" GOLD -G7 15U" GOLD -S0 GOLD FLASH/TIN -SN TIN
PACKAGING: (TAPE & REEL + CAP AS STANDARD NO SUFFIX)	-1 PE BAG -2 TRAY -3 TUBE -4 TUBE+CAP -5 REEL + MYLAR
PART NUMBER EXAMPLE: 100-1003-04 = 4 WAY, 8 POS (2x4), PA6T HI-TEMP INSULATOR, GOLD FLASH PLATING. PLEASE VERIFY AVAILABILITY ON OPTIONS PRIOR TO SELECTION / ORDERING	

> PHYSICAL



Recommended P.C.B Layout (Top Side)
(PCB BOARD TOLERANCE ± 0.05)



Dimension antitheses list

ITEM	PA	PB	W	L
Standard	3.50	2.50	6.50	7.50



> REVISION HISTORY

Revision	Description	Date
1.0	Initial Drawing Release	09.08.2020

Revision History provided is for informational purposes only and is believed to be accurate.