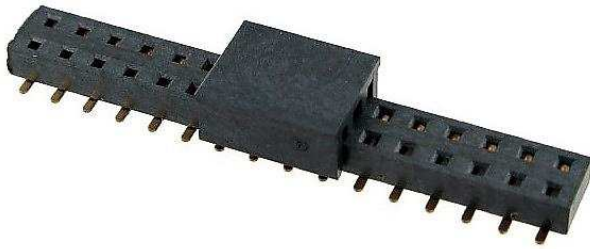


**MPSI CONNEX 101-2003-XX Series 1.27mm (0.050") Pitch 2-Row Vert, SMT, PCB Socket:
Low Profile, 1A, PA6T UL94V-0, 4 to 100 Contacts. Order Code 101-2003-XX (See > Options)**

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Images are for Illustrative Purposes Only

101-2003 Series Dual-Row 1.27mm Pitch Female PCB Sockets available with or without Plastic Locating Posts.

Vertical SMT PCB Mount. Low 2.3mm PCB Profile.

Dual Entry (Top & Bottom Entry)

Rated at 1A, Standard UL94V-0 (PA6T) Hi-Temp Insulator

Available Options (*See > Options*):

Total Number of Contacts: 04 (2x2) to 100 (2x50)

Locating Posts

Insulator Materials

Contact Plating

Packaging

> TECHNICAL SPECIFICATION

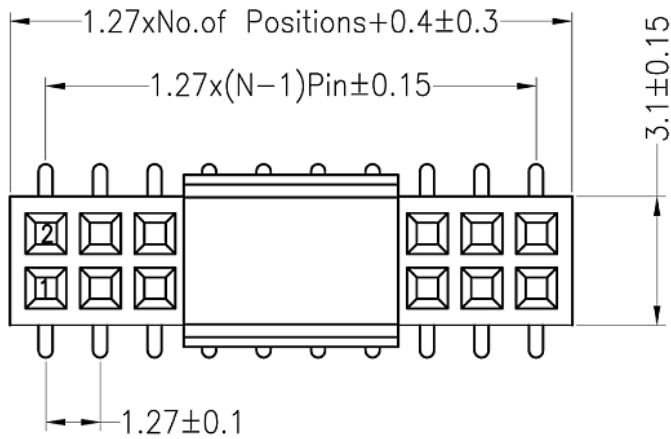
PITCH:	1.27MM
NUMBER OF ROWS:	2
NUMBER OF WAYS:	2 TO 50 (4 TO 100 CONTACTS) (<i>SEE > OPTIONS</i>)
MOUNTING TYPE:	PCB SMT
ORIENTATION:	VERTICAL
INSULATOR COLOUR:	BLACK
INSULATION (PLASTICS):	PA6T UL94V-0 STANDARD (<i>SEE > OPTIONS</i>)
CONTACT MATERIAL:	PHOSPHOR BRONZE
CONTACT PLATING:	GOLD FLASH STANDARD (<i>SEE > OPTIONS</i>)
RoHS COMPLIANT:	YES
CURRENT RATING:	1A
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)



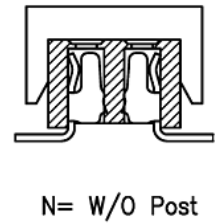
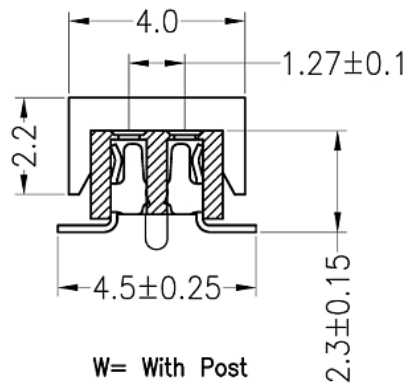
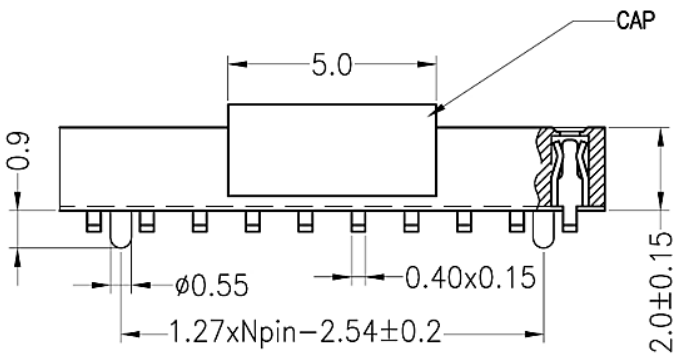
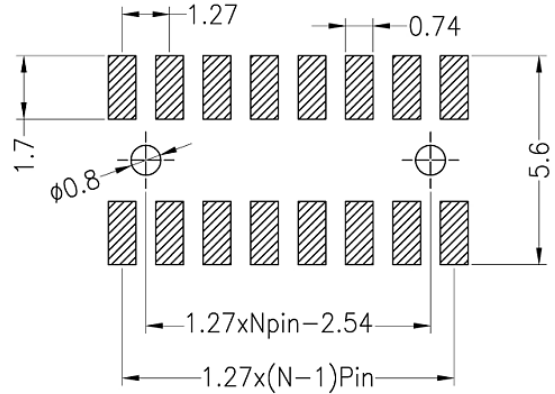
> OPTIONS

<p>NUMBER OF WAYS: (FOR DUAL ROW MULTIPLY x 2 FOR NUMBER CONTACTS)</p>	-XX SUFFIX DESIGNATES NUMBER OF WAYS
<p>LOCATING POSTS: (WITHOUT POST AS STANDARD NO SUFFIX)</p>	-P DESIGNATES WITH LOCATING POSTS
<p>INSULATOR MATLS: (PA6T POLYESTER HI TEMP AS STD NO SUFFIX)</p>	<ul style="list-style-type: none"> -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)
<p>CONTACT PLATING: (GOLD FLASH AS STANDARD NO SUFFIX)</p>	<ul style="list-style-type: none"> -G2 5U" GOLD -G3 10U" GOLD -G4 15U" GOLD -G5 30U" GOLD -S0 GOLD FLASH/TIN -SN TIN
<p>PACKAGING: (TUBE + CAP AS STANDARD NO SUFFIX)</p>	<ul style="list-style-type: none"> -1 TUBE -2 REEL + CAP -3 REEL + MYLAR
<p>PART NUMBER EXAMPLE: 101-2003-05-P = DUAL 5 WAY (10) CONTACTS, PA6T HI-TEMP, WITH POSTS, GOLD FLASH PLATING, TUBE + CAP. PLEASE VERIFY AVAILABILITY ON OPTIONS PRIOR TO SELECTION.</p>	

> PHYSICAL



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





> REVISION HISTORY

Revision	Description	Date
1.0	Initial Drawing Release	05.11.2019

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