

NOTES:

- THIS CONNECTOR IS DESIGNED TO MEET THE APPLICABLE PERFORMANCE REQUIREMENTS OF IEC 61076-4-101 AND BELLCORE GR-1217-CORE
- RoHS DIRECTIVE COMPLIANCE,
MAX SOLDERING TEMPERATURE 225°C.

MATERIALS

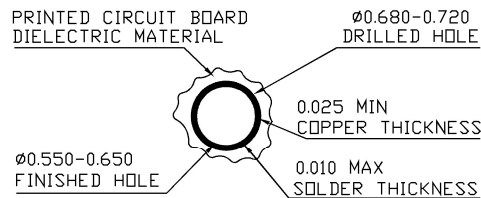
- Insulators — Thermoplastic Polyester, glass filled
Rated UL 94V-0, Color: Gray
- Pin contacts — Copper Alloy
Finish: Mating Zone=Gold
Compliant Zone=Matte Tin
Performance Class 2= 250 cycles

PERFORMANCE CHARACTERISTICS

Insulation resistance — 10,000 megohms minimum
Dielectric withstanding voltage (at sea level) — 750 Vrms
Current rating — 1 amp @70°C, fully loaded
1.5 amp @20°C, fully loaded
Operating temperature range — -55°C to +125°C
Contact resistance — 20 milliohms maximum

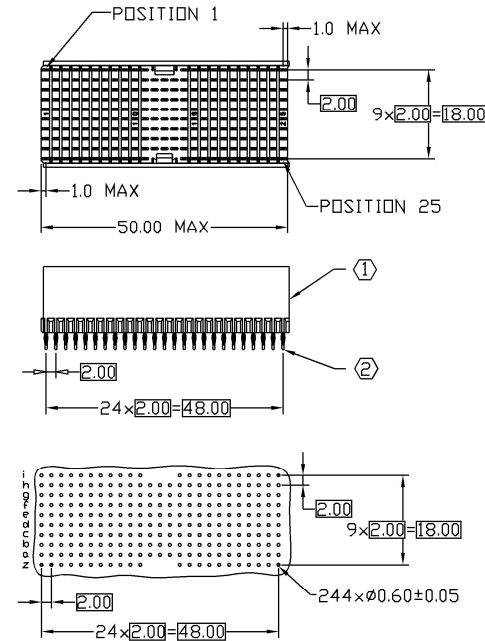
COMPLIANT CONTACT

Max.Insertion Force (per contact) — 22.5 lbs./100 N
Min. Retention force (per contact) — 4.5 lbs./20 N



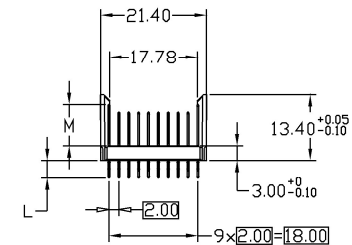
	PDS.1	PDS.5	PDS.10	PDS.15	PDS.20	PDS.25
ROW i	6	6	6	6	6	6
ROW n	5	5	5	5	5	5
ROW g	5	5	5	5	5	5
ROW f	5	5	5	5	5	5
ROW e	5	5	5	5	5	5
ROW d	5	5	5	5	5	5
ROW c	5	5	5	5	5	5
ROW b	5	5	5	5	5	5
ROW a	5	5	5	5	5	5
ROW z	6	6	6	6	6	6

SELECTIVE LOADING PATTERN



RECOMMENDED PC BOARD REQUIREMENTS (COMPONENT SIDE BOARD SHOWN)

SELECTIVE LOADING CHART		
PIN CODE	MATING LENGTH OF CONTACTS	CONTACT TAIL LENGTHS
	M	L
5	.268/6.80	.146/3.70
6	.329/8.35	.146/3.70



DESIGN UNITS ■ mm □ INCH	NAME: 2MM HEADER DE TYPE	nexttron NEXTRONICS ENGINEERING CORP.	
GENERAL TOLERANCES: (UNLESS SPECIFIED)	PART NO: NX5DEAJ01A51PA	TITLE: CUSTOMER DWG.	c
4 PLACE ±.*** ±.***	APPD: 楊海文 5/16'11	DWG. NO: 010-0000-886-NX5DEAJ01A51PA	
3 PLACE ±0.08 ±.***	CHKD: 楊海文 5/16'11	SCALE: 1 / 1	SHEET: 1 / 1
2 PLACE ±0.15 ±.***	DRAWN: 廖小瓊 5/16'11	REV.: A	
1 PLACE ±0.20 ±.***			
ANGULAR: .X° ±.*** .X° ±.***			

A	***	Release	5/16'11	廖小瓊	楊海文
REV.	ECN. NO.	DESCRIPTION	DATE	DRAWN	APPD