

**NOTES:**

- 1 THIS CONNECTOR IS DESIGNED TO MEET THE APPLICABLE PERFORMANCE REQUIREMENTS OF IEC 61076-4-101 AND BELLCORE GR-1217-CORE 2
- 2 ROHS DIRECTIVE COMPLIANCE, MAX SOLDERING TEMPERATURE 225°C.
- 3 CONNECTORS ARE END STACKABLE ON A 2.0 GRID.
- 4 FOR COMPLIANT CONTACT PLATED THRU HOLE REQUIREMENTS SEE THRU HOLE PLATING VIEW. MINIMUM P.C.BOARD THICKNESS 1.57 NOMINAL.
- 5 DIMENSIONS APPLY AFTER INSTALLATION IN P.C.BOARD.
- 6 CONNECTOR WITH MIXED PIN LENGTH.SELECTIVE LOADING PER PICMG™(COMPUTER TELEPHONY SPECIFICATIONS) 2.5 R1.0 APRIL 3, 1998 SEE SELECTIVE LOADING CHART AND LOADING PATTERN.
- 7 0.2 MAX. GAP PERMISSIBLE TO P.C.BOARD

**SPECIFICATIONS**

**MATERIALS**

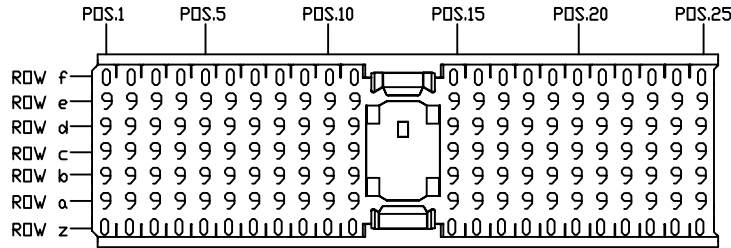
- ① Insulators: Thermoplastic Polyester, glass filled  
Rated UL 94V-0, Color: Gray
- ② Pin contacts:  
Copper Alloy  
Finish: Mating Zone=Gold  
Compliant Zone=Tin/Lead(Matte Tin)  
Performance Class 2= 250 cycles

**PERFORMANCE CHARACTERISTICS**

- Insulation resistance: 10000 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

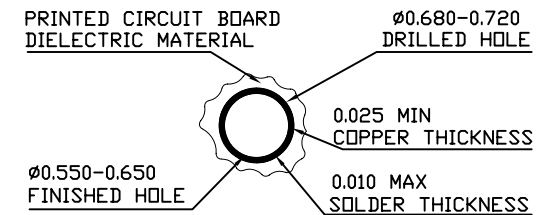
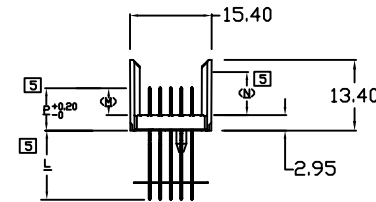
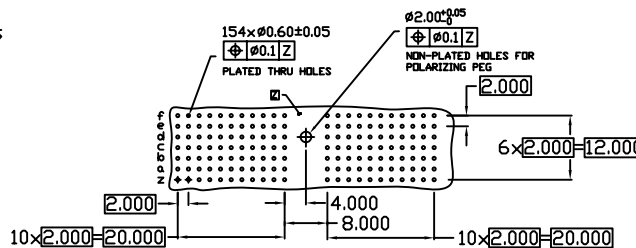
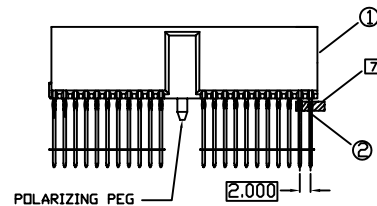
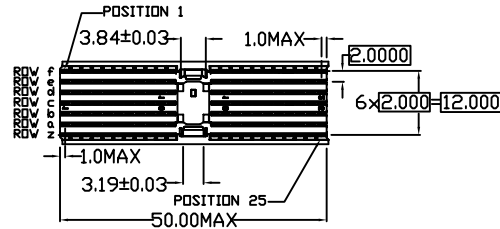
**COMPLIANT CONTACT**

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



SELECTIVE LOADING PATTERN

SELECTIVE LOADING CHART				
PIN CODE	MATING LENGTH OF CONTACTS			CONTACT TAIL LENGTHS
	SIGNAL	ALL	GROUND	
9	M	P	N	L
	.209/5.30	.323/8.20	N/A	.630/16.00



THRU HOLE PLATING SCALE 10:1

**RECOMMENDED PC BOARD REQUIREMENTS**  
(COMPONENT SIDE BOARD SHOWN)

DESIGN UNITS	mm		INCH	
GENERAL TOLERANCES: (UNLESS SPECIFIED)	mm	INCH		
4 PLACE	± 0.05	± .002		
3 PLACE	± 0.10	± .004		
2 PLACE	± 0.20	± .008		
1 PLACE	± 0.30	± .012		
ANGULAR:	X° ± .5		X° ± .1	

NAME:	2MM HEADER A TYPE		
PART NO:	NX5A0AE01E10CA		
APPD:			
CHKD:			
DRAWN:	廖小瓊 6/22'06		

<b>Allconnectors</b>			
TITLE:	CUSTOMER DWG C		
DWG. NO:	C-NX5A0AE01E10CA		
SCALE:	SHEET:	REV.:	
1 / 1	1 / 1	A	

A	**	Release	06/22'06	廖小瓊	APPD
REV.	ECN. NO.	DESCRIPTION	DATE	DRAWN	APPD