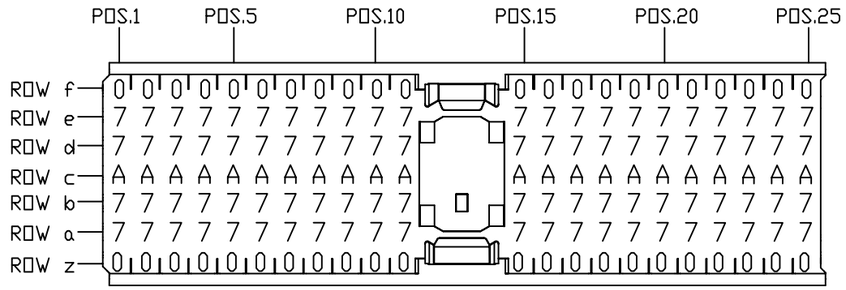
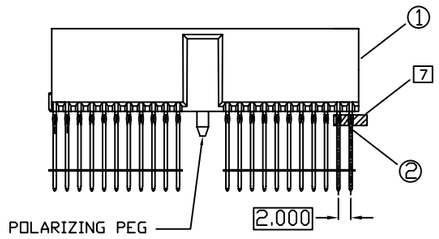
NOTES:

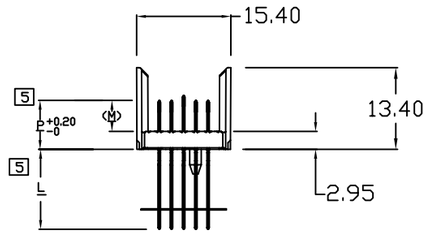
1. THIS CONNECTOR IS DESIGNED TO MEET THE APPLICABLE PERFORMANCE REQUIREMENTS OF IEC 61076-4-101 AND BELLCORE GR-1217-CORE
2. RoHS DIRECTIVE COMPLIANCE, MAX SOLDERING TEMPERATURE 225°C.
3. CONNECTORS ARE END STACKABLE ON A 2.0 GRID.
4. FOR COMPLIANT CONTACT PLATED THRU HOLE REQUIREMENTS SEE THRU HOLE 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



SELECTIVE LOADING CHART				
PIN CODE	MATING LENGTH OF CONTACTS			CONTACT TAIL LENGTHS
	SIGNAL	ALL	GROUND	
	M	P	N	L
7	.209/5.30	.323/8.20	N/A	.512/13.00
A	.268/6.80	.382/9.70	N/A	.512/13.00

SELECTIVE LOADING PATTERN





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 1

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

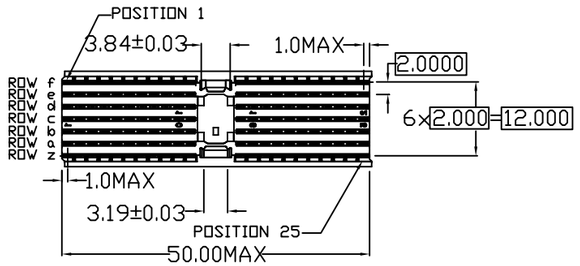
Operating temperature range: -55°C to +125°C

Contact resistance: 20 milliohms maximum

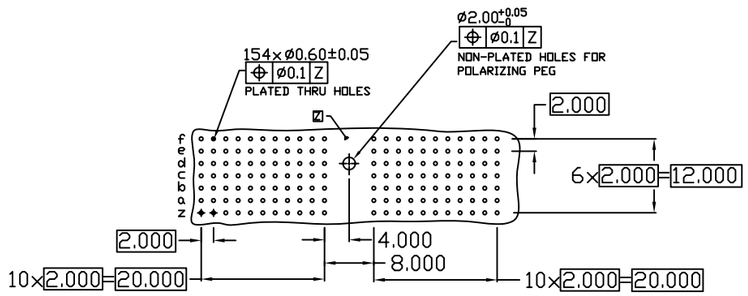
COMPLIANT CONTACT

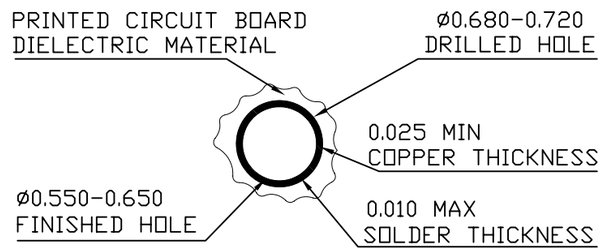
Max.Insertion Force(per contact): 22.5 lbs./100 N

Min. Retention force(per contact): 4.5 lbs./20 N



CATALOG No. NX5A0AE01C40CA SHOW





THRU HOLE PLATING
SCALE 10:1

RECOMMENDED PC BOARD REQUIREMENTS
(COMPONENT SIDE BOARD SHOWN)

REV.	ECN. NO.	DESCRIPTION	DATE	DRAWN	APPD
A	**	Release	05/29'06	Jexan	

DESIGN UNITS ■ mm □ INCH		
GENERAL TOLERANCES: (UNLESS SPECIFIED)	mm	INCH
4 PLACE	± 0.05	±. **
3 PLACE	± 0.10	±. **
2 PLACE	± 0.20	±. **
1 PLACE	± 0.30	±. **
ANGULAR:	X°± **	.X°± **

NAME: 2MM HEADER A TYPE
PART NO: NX5A0AE01C40CA
APPD:
CHKD:
DRAWN: 何潔賢 5/29'06

All Connectors
TITLE: CUSTOMER DWG C
DWG. NO: C-NX5A0AE01C40CA

SCALE:	SHEET:	REV.:
1 / 1	1 / 1	A

A1版

NPF-RD40040