

REV.	ECN.	NO.	APPD.
A	BC05712007	Wen-Guey Li	

NOTES:

1. ELECTRICAL CHARACTERISTICS:

- 1-1 CURRENT RATING: 1.1 AMP., 30°C RISE ABOVE AMBIENT.
- 1-2 CONTACT RESISTANCE: 30 MILLIOHMS MAX. INITIAL,
50 MILLIOHMS MAX. AFTER TEST.
- 1-3 INSULATION RESISTANCE: 1000 MEGOHMS MIN..
- 1-4 DIELECTRICAL WITHSTAND VOLTAGE: 300VDC MIN. AT SEA LEVEL.

2. MECHANICAL CHARACTERISTICS:

- 2-1 CONTACT ENGAGEMENT FORCE: 117gf MAX PER CONTACT PAIR
- 2-2 DURABILITY: 50 MATING AND UNMATING CYCLES MIN.
- 2-2 CONTACT RETENTION FORCE: 500gf MIN.

3. ENVIRONMENTAL CHARACTERISTICS:

- 3-1 OPERATING TEMPERATURE RANGE: -40°C TO +105°C

PROD. NO.: 2EG 0 ** * - D2D - **

FIELD PRODUCT SERIES:
2EG=PCI EXPRESS

TERMINAL TYPE:
0=VERTICAL TYPE

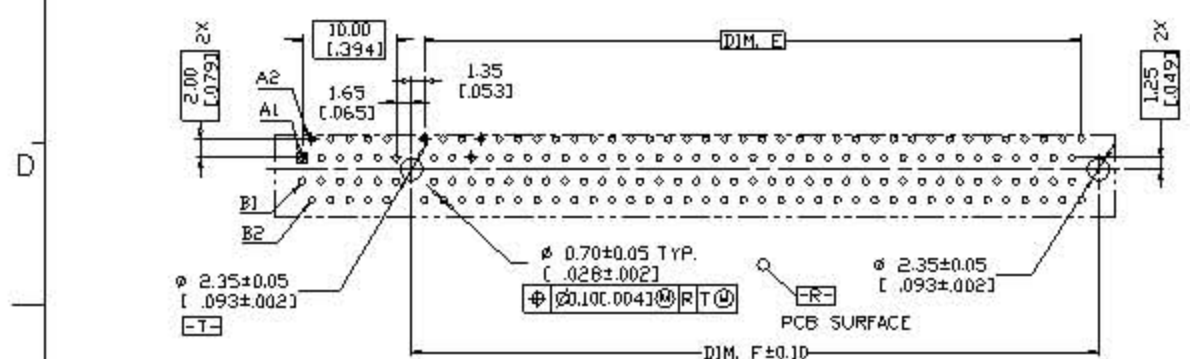
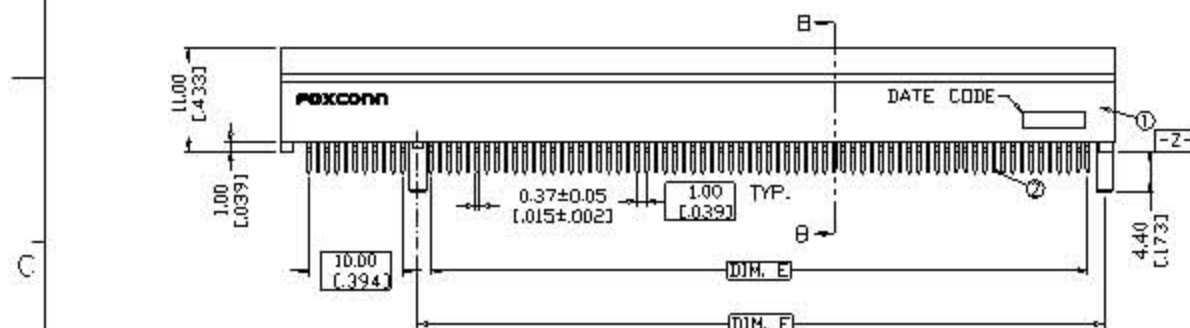
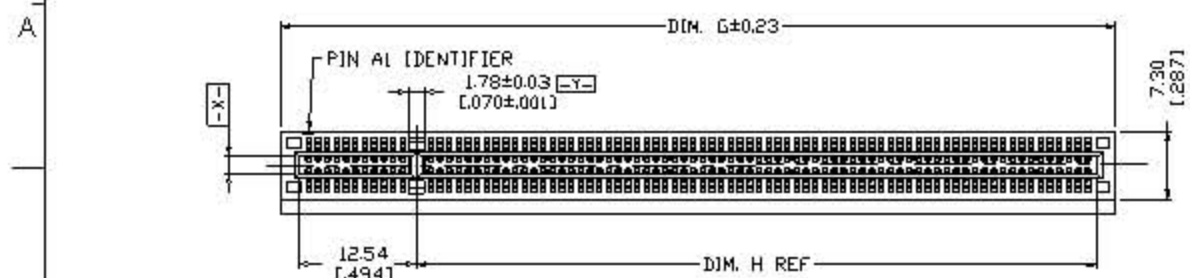
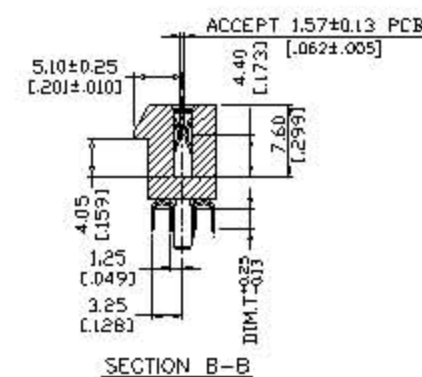
NO. OF POS.
18= 36 POSITIONS
32= 64 POSITIONS
49= 98 POSITIONS
82= 164 POSITIONS

PLATING TYPE:
DN: TIN/LEAD
DF: LEAD FREE

EXTENSION CODE

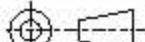
CONTACT AREA GOLD PLATING:
1= GOLD FLASH
7= 15u" GOLD
3= 30u" GOLD

TAIL LENGTH:
1= 2.30mm
2= 3.10mm



RECOMMENDED PCB LAYOUT

2EG082**-D2D-**	70.00	73.15	89.00	72.54
2EG049**-D2D-**	37.00	40.15	56.00	39.54
2EG032**-D2D-**	20.00	23.15	39.00	22.54
2EG018**-D2D-**	6.00	9.15	25.00	8.54
PRODUCT NUMBER	DIM. E	DIM. F	DIM. G	DIM. H

2	CONTACT	COPPER ALLOY	NICKEL PLATING OVERALL UNDERPLATED. TIN/LEAD OR LEAD FREE PLATING OVER NICKEL AT TAIL . GOLD PLATING ON CONTACT AREA.			
1	HOUSING	THERMOPLASTIC UL 94V-0	MOLDED BLACK			
ITEM	DESCRIPTION	MATERIAL	TREATMENT			
X. ±	X°. ±	UNITS mm INCH			FOXCONN	
.X ± 0.38 [.015]	.X°. ±	MAT'L N/A				
.XX ± 0.25 [.010]	.XX°. ±	FINISH N/A	PART NO.(INTENDED USE) 2EG0****-D2D-**-**		TITLE: PCI-EXPRESS	
.XXX ±	.XXX°. ±		APPD: Wen-Guey Lii 4/12'05	DWG NO.: 303-0000-1368		
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			DR: W.J.Tang 4/11'05			
			SCALE	SHEET	REV.	
			N/A	1/2	A	