

REV.	ECN.	NO.	APPD.
A	BC05712007	Wen-Guey Lii	
B	BC05725833	Wen-Guey Lii	
C	BC-07-7077392	C.C. Huang	

NOTES:

- ELECTRICAL CHARACTERISTICS:
 - 1-1 CURRENT RATING: 1.1 A MIN., 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: 500 V AC MIN. AT SEA LEVEL.
- MECHANICAL CHARACTERISTICS:
 - 2-1 CONTACT INSERTION FORCE: 1.15 N MAX. PER CONTACT PAIR.
 - 2-2 CONTACT REMOVAL FORCE: 0.15 N MIN. PER CONTACT PAIR.
 - 2-3 DURABILITY: 50 MATING AND UNMATING CYCLES.
 - 2-4 CONTACT RETENTION FORCE: 4.9 N MIN.
- ENVIRONMENTAL CHARACTERISTICS:
 - 3-1 OPERATING TEMPERATURE RANGE: -40°C TO +105°C.
- PLEASE CONTACT FOXCONN SALES REPRESENTATIVE TO VERIFY PRODUCTION DETAILS & AVAILABILITY
- RECOMMENDED PROCESS CONDITION: WAVE SOLDER, 260°C, 3~5 S.

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

FIELD PRODUCT SERIES: 2EG= PCI EXPRESS

TERMINAL TYPE: 0= VERTICAL TYPE

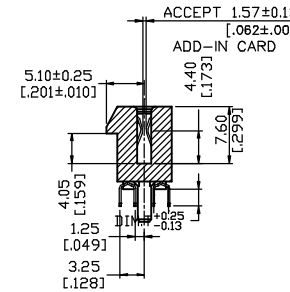
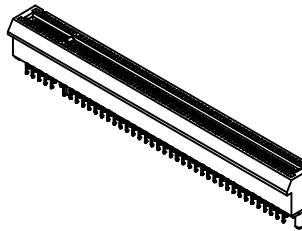
NO. OF POS. 18= 36 POSITIONS
32= 64 POSITIONS
49= 98 POSITIONS
82= 164 POSITIONS

PLATING TYPE: DF= Lead Free
RoHS COMPLIANT

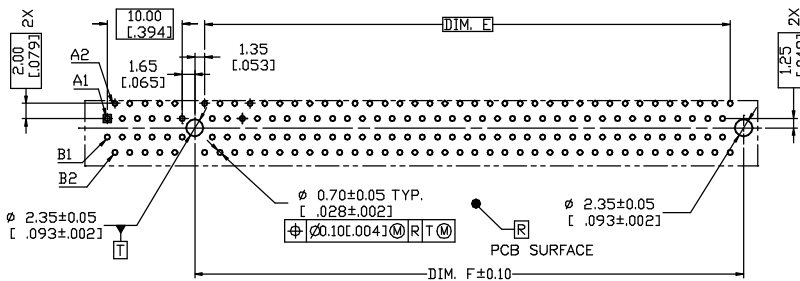
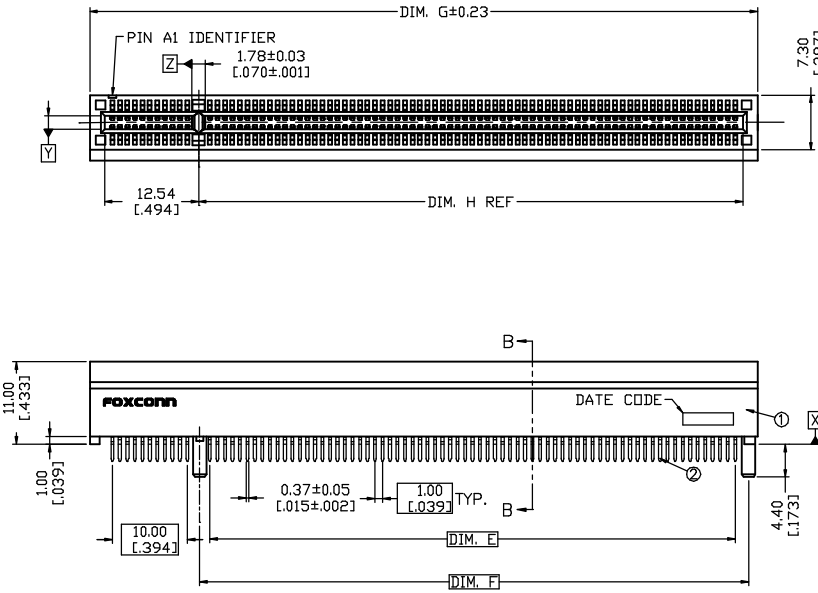
EXTENSION CODE

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

TAIL LENGTH: 1= 2.30mm
2= 3.10mm



SECTION B-B



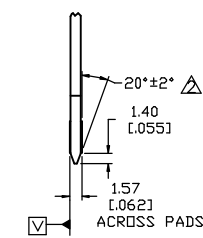
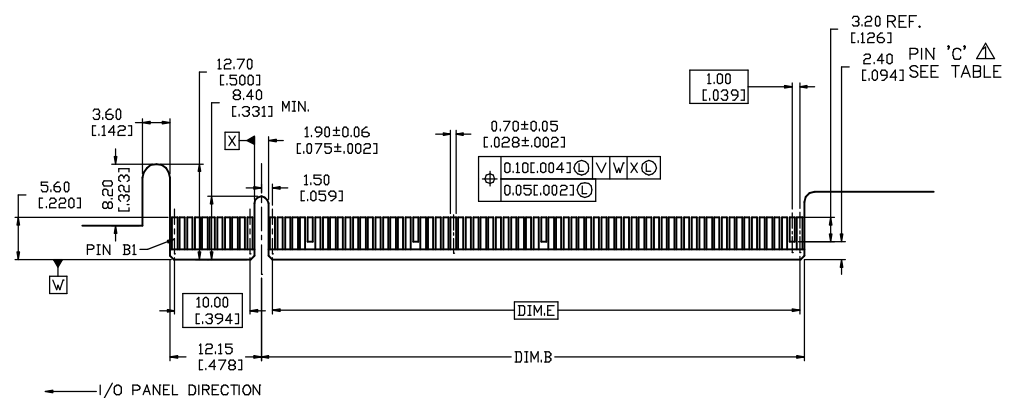
RECOMMENDED PCB LAYOUT

2EG0**2*-D2D-***	3.10[.122]
2EG0**1*-D2D-***	2.30[.090]
PRODUCT NUMBER	DIM. T

2	CONTACT	COPPER ALLOY	50u" MIN. NICKEL PLATING OVERALL UNDERPLATED. 100u" MIN. TIN 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]	NAME(INTENDED USE) Vertical, T/H
.X ± 0.38 [.015]	.X° ±	MAT'L N/A	PART NO.(INTENDED USE) 2EG0****-D2D-**
.XX ± 0.25 [.010]	.XX° ±	FINISH N/A	APPD: C.C. Huang 11/16'07
.XXX ±	.XXX° ±	Q'TY N/A	CHKD: Tin-Suen Liu 11/16'07 DR: W.J Tang 11/16'07
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			FOXCONN HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.
			TITLE: PCI-EXPRESS CUSTOMER DRAWING
			DWG NO.: 303-0000-1368
			SCALE SHEET REV. N/A 1/2 C

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
PART NUMBER	DIM. E	DIM. F	DIM. G	DIM. H

REV.	ECN.	NO.	APPD.
SEE SHEET 1/2			



PRIMARY (COMPONENT) SIDE

SECONDARY (SOLDER) SIDE

ADD-IN CARD EDGE-FINGER DIMENSIONS

2EG082**-D2D-**-	72.15	70.00	164/16X	B81
2EG049**-D2D-**-	39.15	37.00	98/8X	B48
2EG032**-D2D-**-	22.15	20.00	64/4X	B31
2EG018**-D2D-**-	8.15	6.00	36/1X	B17
PART NUMBER	DIM. B	DIM. E	NO. PDS /WAY	c Δ

- NOTES:
- Δ NO TIE PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PINS A1 AND 'C'.
 - Δ CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.

X. ±	X°. ±	UNITS	mm INCH	NAME(INTENDED USE)	FOXCONN
.X ± 0.25 [0.10]	.X°. ±	MAT'L	N/A	Vertical, T/H	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.
.XX ± 0.13 [0.005]	.XX°. ±	FINISH	N/A	PART NO.(INTENDED USE)	TITLE: PCI-EXPRESS CUSTOMER DRAWING
.XXX ±	.XXX°. ±	Q'TY	N/A	APPD: C.C. Huang 11/16'07	DWG NO.: 303-0000-1368
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				DR: W.J Tang 11/16'07	N/A 2/2 C