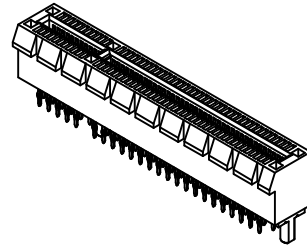
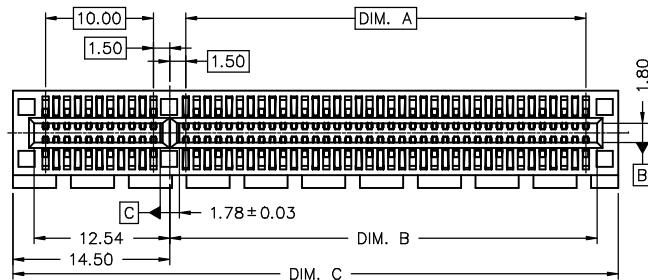


REV.	ECN.	NO.	APPD.
A	BC-08-7003988	C.C. Huang	
B	BC-13-0084210	Davy Bu	



NOTES:

- ELECTRICAL CHARACTERISTICS:
 - 1-1 CURRENT RATING: 1.1 A MIN. PER PIN, 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.
 - 2-5 TAIL INSERTION FORCE: 44.1 N MAX.
- ENVIRONMENTAL CHARACTERISTICS:
 - 3-1 OPERATING TEMPERATURE RANGE: -40°C TO +105°C.
- PLEASE CONTACT FOXCONN SALES REPRESENTATIVE TO VERIFY PRODUCTION DETAILS & AVAILABILITY

PRODUCT NO.: 2EG 9 ** * - D2D - **

FIELD PRODUCT SERIES:
2EG= PCI EXPRESS

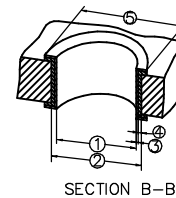
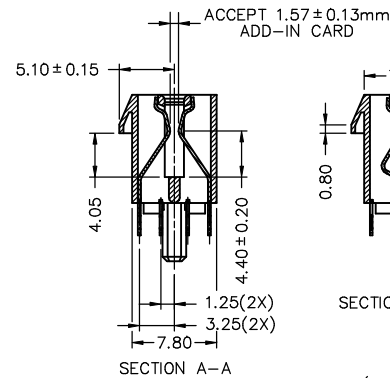
TERMINAL TYPE:
9= VERTICAL PRESSFIT

NO. OF POS.
18= 36 POSITIONS
32= 64 POSITIONS
49= 98 POSITIONS
53= 106 POSITIONS
70= 140 POSITIONS
82= 164 POSITIONS

PLATING TYPE:
DF= LEAD FREE
DM= MATTE TIN & LEAD FREE

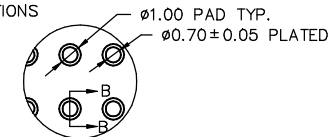
EXTENSION CODE
CONTACT AREA PLATING:
1= GOLD FLASH
7= 15u" GOLD
3= 30u" GOLD

TAIL LENGTH:
1= 2.00mm
2= 3.43mm

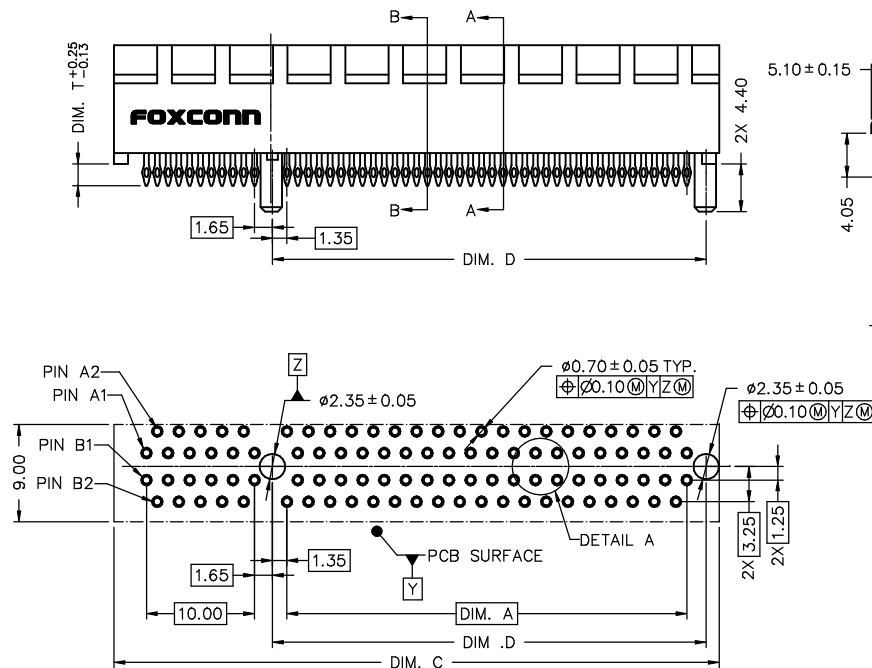


SECTION B-B

- FINISHED HOLE SIZE: $\phi 0.70 \pm 0.05 \text{mm}$
- DRILLED HOLE SIZE: $\phi 0.80 \pm 0.05 \text{mm}$
- TIN OR TIN-LEAD THICKNESS: 0.015mm MAX. OR ANY OTHER PLATING TYPE WHICH CAN BE ACCEPT BY CUSTOMER.
- COPPER THICKNESS: 0.025-0.050 mm
- PAD SIZE: $\phi 1.00 \text{mm}$



DETAIL A
SCALE 2:1



RECOMMENDED PCB LAYOUT

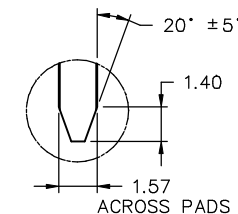
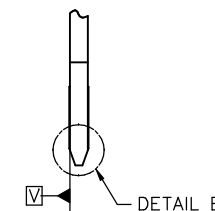
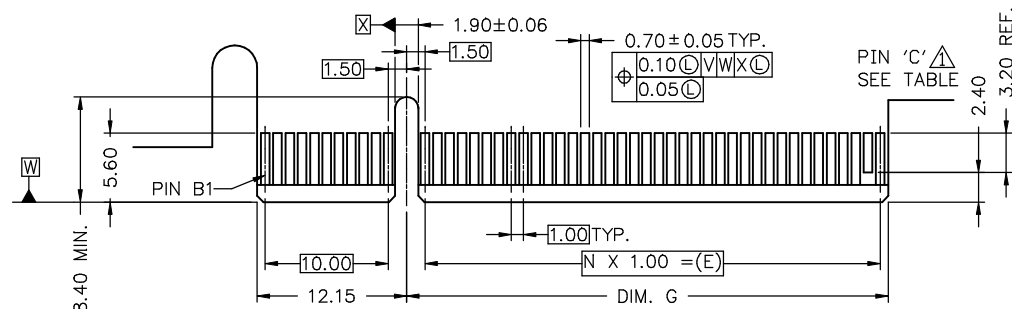
2EG982**--D2D--**	70.00	72.54	89.00	73.15	72.15
2EG970**--D2D--**	58.00	60.54	77.00	61.15	60.15
2EG953**--D2D--**	41.00	43.54	60.00	44.15	43.15
2EG949**--D2D--**	37.00	39.54	56.00	40.15	39.15
2EG932**--D2D--**	20.00	22.54	39.00	23.15	22.15
2EG918**--D2D--**	6.00	8.54	25.00	9.15	8.15
PART NUMBER	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E

2EG9**2*-D2D--**	3.43	3.18±0.23
2EG9**1*-D2D--**	2.00	2.36±0.18
PART NUMBER	DIM. T	RECOMMENDED PCB THICKNESS

2	CONTACT	SEE DENOMINATION	COPPER ALLOY	50u" NICKEL PLATING UNDERPLATED, 100u" TIN OR TIN LEAD PLATING OVER NICKEL AT TAIL, GOLD PLATING ON CONTACT AREA.	
1	HOUSING	1	THERMOPLASTIC UL 94V-0	MOLDED BLACK	
ITEM	DESCRIPTION	Q'TY	MATERIAL	TREATMENT	
X.±	X.±	UNITS	mm	NAME(INTENDED USE)	FOXCONN
.X± 0.38	.X±	MAT'L		VERTICAL PRESSFIT PCI EXPRESS CONN.	FOXCONN INTERCONNECT TECHNOLOGY LIMITED
.XX± 0.25	.XX±	N/A		PART NO.(INTENDED USE)	TITLE:
.XXX±	.XXX±	FINISH		2EG9****-D2D--**	CUSTOMER DRAWING
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF FOXCONN INTERCONNECT TECHNOLOGY LIMITED AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF FOXCONN INTERCONNECT TECHNOLOGY LIMITED.				APPD: DAVY BU 11/29'13	DWG. NO.: 303-0000-1614
				CHKD: TIM YAO 11/29'13	
				DR: QIN TENG 11/29'13	
				SCALE	SHEET
				N/A	1/2
				REV.	B

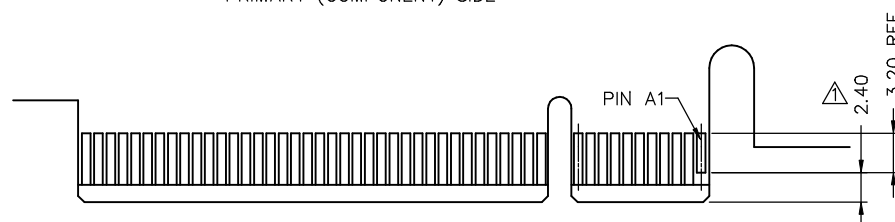
REV.	ECN. NO.	APPD.

SEE SHEET 1/2



DETAIL B
SCALE 2:1

I/O PANEL DIRECTION
PRIMARY (COMPONENT) SIDE



SECONDARY (SOLDER) SIDE

ADD-IN CARD EDGE-FINGER DIMENSIONS

CONNECTOR LINK WIDTH	# POS REF	N	DIM. E	DIM. G	'C'
X1	36	6	6.00	8.15	B17
X4	64	20	20.00	22.15	B31
X8	98	37	37.00	39.15	B48
106 Pin	106	41	41.00	43.15	B52
140 Pin	140	70	58.00	60.15	B69
X16	164	70	70.00	72.15	B81

NOTES:

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

X.±	X.*±	UNITS	mm	NAME(INTENDED USE)	FOXCONN FOXCONN INTERCONNECT TECHNOLOGY LIMITED
.X± 0.38	.X*±	MAT'L	N/A	VERTICAL PRESSFIT PCI EXPRESS CONN.	
.XX± 0.25	.XX*±			PART NO.(INTENDED USE)	TITLE: CUSTOMER DRAWING
.XXX±	.XXX*±	FINISH	N/A	2EG9****-D2D-**	
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF FOXCONN INTERCONNECT TECHNOLOGY LIMITED AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF FOXCONN INTERCONNECT TECHNOLOGY LIMITED.				APPD: DAVY BU 11/29'13	DWG. NO.: 303-0000-1614
				CHKD: TIM YAO 11/29'13	
				DR: QIN TENG 11/29'13	
				QTY	N/A
				SCALE	SHEET
				N/A	2/2
				REV.	B