FOXCONN®

SPECIFICATIONS

PCI EXPRESS

2EG Series
Straddle Mount Type
1. 00mm [.039”] Pitch
36 Pos. (1X)
64 Pos. (4X)
98 Pos. (8X)
164 Pos. (16X)

Mechanical

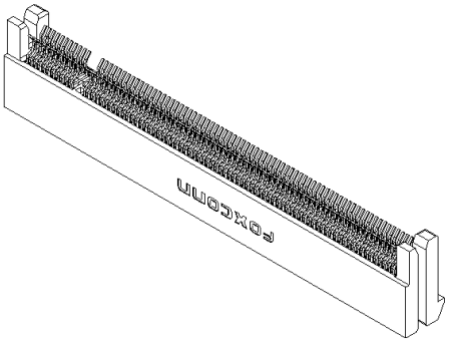
Contact Retention Force: *5 N min. per pin*
Contact Insertion Force: *1.15 N max. per contact pair*
Contact Removal Force: *0.15 N min per contact pair*
Durability: *50 Cycles*

Electrical

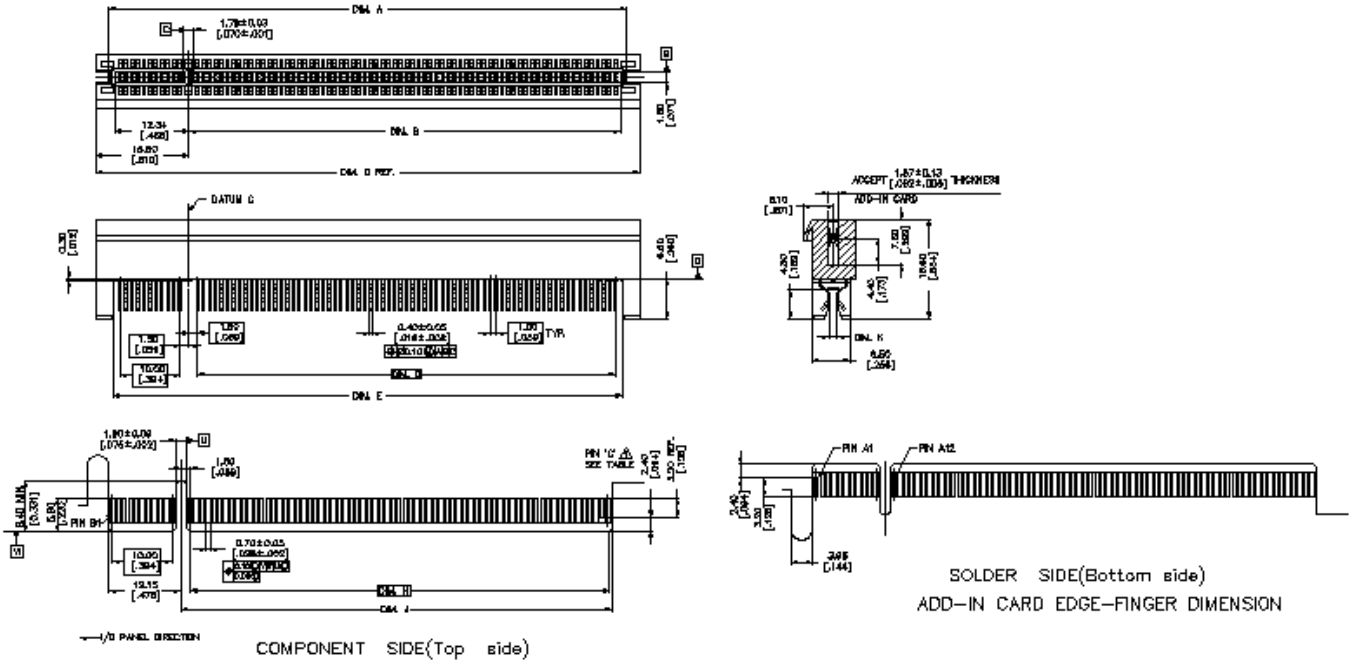
Current Rating: *1.1A min. per pin*
Contact Resistance: *30 mW max. initial, 50 mW max. after test*
Dielectric Withstanding Voltage: *500V AC min. at Sea Level*
Insulation Resistance: *1000MW min.*

Physical

Housing: *Thermoplastic, UL 94V-0 rated, in Black Color*
Contact: *Copper alloy*
Plating: *See “ORDERING INFORMATION”*
Operating Temperature: *-40℃ to +105℃*



DRAWING



ORDERING INFORMATION

PROD. NO.: 2EG 2 * * * * – D5D – * *

FIELD PRODUCT SERIES:
2EG= PCI EXPRESS

TERMINAL TYPE:
2= STRADDLE MOUNT

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

TAIL GAP:
1= FOR 1.57 mm THICKNESS PCB
2= FOR 2.08 mm THICKNESS PCB
3= FOR 2.36 mm THICKNESS PCB

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

EXTENSION CODE

PLATING TYPE:
4F= LEAD FREE RoHS COMPLIANT
4M= LEAD FREE AND MATTE PIN

PART NUMBER	DIM. K
2EG2**3*–D5D–**	2.02 [.080]
2EG2**2*–D5D–**	1.80 [.071]
2EG2**1*–D5D–**	1.30 [.051]

P/N	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E
2EG218**–D5D–**	22.80 [.898]	8.34 [.328]	27.00 [1.063]	6.00 [.236]	21.20 [.835]
2EG232**–D5D–**	36.80 [1.449]	22.34 [.880]	41.00 [1.614]	20.00 [0.787]	35.20 [1.386]
2EG282**–D5D–**	86.80 [3.417]	72.34 [2.848]	91.00 [3.583]	70.00 [2.756]	85.20 [3.354]

All specification & dimensions are subject to change, please call your nearest Foxconn sales representative for update information.