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Part Number: 0850033108
Status: Active
Overview: din_41612
Description: 2.54mm (.100") Pitch DIN 41612 C/2 Style Male Header, Right Angle, Through Hole, 0.80µm (32µ") Selective Gold (Au) Plating, 48 Circuits, without Mounting Clips, No Flux Proof

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-85003-0001 (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Backplane Connectors
Series	85003
Application	Backplane
Comments	No Mounting Clips. No Flux Proof. 4.2mm(.165") Last-Mate-First- Break Contacts. 5.4mm(.213") First-Mate-Last-Break Contacts. 4.8mm (.189") Normal Contacts
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	C/2

Physical

Circuits (Loaded)	48
Circuits (maximum)	48
Circuits Detail	Standard Contacts at: A:a2-a8,a10-a15; B:b1-b16; C:c1-c4,c6-c16. Last-Mate-First-Break Contacts at: D:a16. First-Mate-Last-Break Contacts at:X:c5; Z:a1,a9
Color - Resin	Gray
Durability (mating cycles max)	400
First Mate / Last Break	Yes
Flammability	94V-0
Guide to Mating Part	No
Keying to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Columns	16
Number of Pairs	Open Pin Field
Number of Rows	3
Orientation	Right Angle
PC Tail Length (in)	0.118 In
PC Tail Length (mm)	3.00 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Carton
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm

EU RoHS | **China RoHS**
Compliance Status
Not Reviewed
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Reviewed

Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
85003Series

Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (µin)	32
Plating min: Mating (µm)	0.80
Plating min: Termination (µin)	98
Plating min: Termination (µm)	2.5
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

Material Info

Reference - Drawing Numbers

Product Specification	PS-85003-0001
Sales Drawing	SD-85003-3108

VIEW ON MATING SIDE

	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
c	C	C	C	C	C	C	C	C	C	C	C	X	C	C	C	C
b	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
a	D	A	A	A	A	A	A	Z	A	A	A	A	A	A	A	Z

A = 13 STANDARD CONTACTS L = 3
B = 16 STANDARD CONTACTS L = 3
C = 15 STANDARD CONTACTS L = 3
D = 1 LMFB CONTACTS -0.6 L = 3
Z = 2 FMLB CONTACTS +0.6 L = 3
X = 1 FMLB CONTACTS +0.6 L = 3

S = 48 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G2/0 = CONTACT AREA LEVEL2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SD-85003-0002 SHT 1

X	G2/0	c5
Z	G2/0	a1,9
D	G2/0	a16
C	G2/0	c1-4,6-16
B	G2/0	b1-16
A	G2/0	a2-8,10-15
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO. 1 2004-XXXX
DRWN. S. 09/09/03
CHK'd G.L. 09/09/03
APPR'd G.L. 09/09/03
DESCRIPTION
B
REV

QUALITY SYMBOLS
MAJOR ▼ =
CRITICAL (C) =

GENERAL TOLERANCES: (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±0.	±.
3 PLACES	±0.	±.
2 PLACES	±0.	±.
1 PLACE	±0.	±.
ANGULAR: ± °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE
DESIGN UNITS ☒mm ☐INCH
DRAWN BY & DATE S.S. 14/09/1999
CHECKED BY & DATE G.L. 14/09/1999
APPROVED BY & DATE G.L. 14/09/1999
CAD FILENAME SD-85003-3108.SO1

THIRD ANGLE PROJECTION
DIMENSIONS: ☐mm/INCH ☐INCH/mm ☒mm ONLY
SHT REV
REVISE ON CAD ONLY

TITLE: 48 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C/2 CONTACTS ARRANGEMENT

molex MOLEX INCORPORATED

MATERIAL NO. 85003-3108
DRAWING NO. SD-85003-3108
SHEET NO. 1 OF 1
SIZE D

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