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Part Number: 0850039051
Status: Active
Overview: din_41612
Description: 2.54mm (.100") Pitch DIN 41612 C Style Male Header, Right Angle, Through Hole, 63 Circuits, No Mounting Clips, No Flux Proof, Void Pin A13, Lead free

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	Backplane Connectors
Series	85003
Application	Backplane
Comments	No Mounting Clips. No Flux Proof
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	C

Physical

Circuits (Loaded)	63
Circuits (maximum)	96
Circuits Detail	First-Mate-Last-Break Contacts at: A:a1-a12,a14-a21,a24-a32; C:c1- c21,c24-c32-. First-Mate-Last-Break Contacts at: Z:a22-a23;X:c22-c23 . Void Pin at A:a13
Color - Resin	Gray
Durability (mating cycles max)	400
First Mate / Last Break	Yes
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	Tray
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
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
Temperature Range - Operating	-55°C to +125°C

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Reviewed

China RoHS

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

Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	2.5A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-85003-001
Sales Drawing	SD-85003-9051

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VIEW ON MATING SIDE

	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	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	X	X	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
b																																
a	A	A	A	A	A	A	A	A	A	Z	Z	A	A	A	A	A	A	A	A		A	A	A	A	A	A	A	A	A	A	A	A

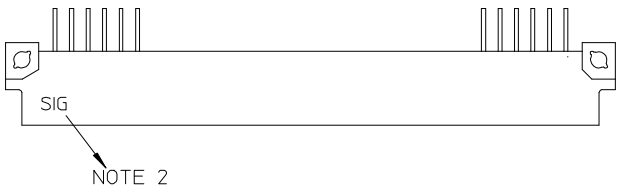
A = 29 FMLB CONTACTS L = 3
C = 30 FMLB CONTACTS L = 3
Z = 2 FMLB CONTACTS 0.8+/-0.1 L = 3
X = 2 FMLB CONTACTS 0.8+/-0.1 L = 3
S = 63 TOTAL NUMBER OF CONTACTS

CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER
X	G2/0	c22,23
Z	G2/0	a22,23
C	G2/0	c1-21 & c24-32
A	G2/0	a1-21 & a24-32 VOID PIN a13

MARKING	STANDARD
PERFORMANCE LEVEL	G2/0 = CONTACT AREA LEVEL 2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	E-85003-0001 SHT 1-2

NOTE:

1. VOID PIN NUMBER A13
2. PRINTING TO BE MADE ON THE CONNECTOR



ENTER DESCRIPTION
EC NO: I2008-0684 2008/05/28
DRWN:SJ 2008/05/31
CH'KD:KPRASAD 2008/06/20
APPR:KPRASAD
DESCRIPTION
REV
A1

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: SJ DATE: 2008/02/13
CHECKED BY: KPRASAD DATE: 2008/02/13
APPROVED BY: KPRASAD DATE: 2008/02/13

TITLE
96 POS. MALE CONN
PIN A13 VOID
STYLE C CONTACTS ARRANGE

molex MOLEX INCORPORATED

MATERIAL NO. 850039051
DOCUMENT NO. SD-85003-9051
SHEET NO. 1 OF 1
SIZE A3

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