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Part Number:

0850039039

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, 20 Circuits, without Mounting Clips, No Flux Proof

Documents:

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification	
CSA	LR19980
UL	E29179
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/2
Physical	
Circuits (Loaded)	20
Circuits (maximum)	48
Circuits Detail	Standard Contacts at: A:a1,a3,a5...a13,a15,a16; B:b14,b16; C:c1,c3,c5...c13,c15,c16
Color - Resin	Gray
Durability (mating cycles max)	400
First Mate / Last Break	No
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
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

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

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
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	
Sales Drawing	SD-85003-9039

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6

5

4

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2

1

VIEW ON MATING SIDE

u

B

A

C

A

C

A

C

A

C

A

C

A

C

A

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

A = 9 STANDARD CONTACTS L = 3

B = 2 STANDARD CONTACTS L = 3

C = 9 STANDARD CONTACTS L = 3

S = 20 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

C	G2/0	c1,3,5....13, c15,16
B	G2/0	b14, b16
A	G2/0	a1,3,5....13, a15,16
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO: 12004-0325

DRWN:SHIVASHAZ2004/02/23

CHKD:SUDHIR 2004/02/23

APPR:GJLOWE 2004/04/26

A

QUALITY SYMBOLS

▽

= 0

▽

= 0

DESCRIPTION

REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

4 PLACES

± ---

± ---

3 PLACES

± ---

± ---

2 PLACES

± ---

± ---

1 PLACE

± ---

± ---

ANGULAR

± --- °

DRAFT WHERE APPLICABLE

MUST REMAIN WITHIN DIMENSIONS

SCALE ---

DESIGN UNITS METRIC

DIMENSION STYLE

MM ONLY

DRAWN BY

SHIVA

DATE

2004/02/23

CHECKED BY

SUDHIR

DATE

2004/02/23

APPROVED BY

GJLOWE

DATE

2004/02/23

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THIRD ANGLE PROJECTION

REVISE ON CAD ONLY

TITLE

48 POS MALE CONNECTOR ACC. DIN 41612 STYLE C/2 CONTACTS ARRANGEMENT

moLEX

MOLEX INCORPORATED

MATERIAL NO.

85003-9039

DOCUMENT NO.

SD-85003-9039

SHEET NO.

1 OF 1

A4

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Rev. C 2002/05/05

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