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Part Number:

0850037055

Status:

Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612 C/2 Style Male Header, Right Angle, Through Hole, 1.27µm (50µ") Selective Gold (Au) Plating, 48 Circuits, without Mounting Clips, No Flux Proof, High Temperature version

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. 5.4mm(.213") First-Mate-Last-BreakContacts. 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-a15; B:b1-b16, C:c2-c15 . First-Mate-Last- Break Contacts at: X:c1,c16; Z:a1,a16
Color - Resin	Natural
Durability (mating cycles max)	500
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	High Temperature Thermoplastic
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

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 (mm)	2.54 mm
Plating min: Mating (μin)	50
Plating min: Mating (μm)	1.27
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-85003-7055

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16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

A = 14 STANDARD CONTACTS L = 3
B = 16 STANDARD CONTACTS L = 3
C = 14 STANDARD CONTACTS L = 3
Z = 2 FMLB CONTACTS +0.6 L = 3
X = 2 FMLB CONTACTS +0.6 L = 3

S = 48 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G10 = CONTACT AREA LEVEL1 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SD-85003-0002 SHT 4

X	G2/O	c1, I6
Z	G2/O	a1, I6
C	G2/O	c2- I5
B	G2/O	b1- I6
A	G2/O	a2- I5
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO. 104-XXXX DRAWN N.S. 09/09/03 CHK. G.L. 09/09/03 APPR. G.L. 09/09/03	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE	DESIGN UNITS mm INCH	THIRD ANGLE PROJECTION	DIMENSIONS mm INCH mm ONLY		SHT	REV	
	MAJOR =	mm	INCH	DRAWN BY & DATE N.S. 17/09/01		TITLE: 48 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C/2 CONTACTS ARRANGEMENT (HIGH TEMP)	mm INCH mm ONLY	REVISE ON CAD ONLY	SHT 1 OF 1	REV D	
	CRITICAL =	4 PLACES	±0.	±.							CHECKED BY & DATE G.L. 17/09/01
		3 PLACES	±0.	±.							APPROVED BY & DATE G.L. 17/09/01
		2 PLACES	±0.	±.							
1 PLACE	±0.	±.									
DESCRIPTION		ANGULAR ±		CAD FILENAME SD-85003-7055-50	MATERIAL NO. 85003-7055	DRAWING NO. SD-85003-7055			SHEET NO.		
REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.						SIZE D	