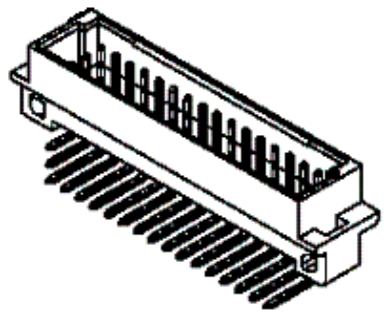
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Part Number: 0850030701
Status: Active
Overview: din_41612
Description: 2.54mm (.100") Pitch DIN 41612 Header, Style C/2, Right Angle, Through Hole, 1µm (40µ") Selective Gold (Au), 48 Circuits, Lead free



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-85003-0001 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Backplane Connectors
Series	85003
Application	Daughtercard
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	C/2

Physical

Circuits (Loaded)	48
Circuits (maximum)	48
Durability (mating cycles max)	500
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	No
Keying to Mating Part	Yes
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
Polarized to PCB	Yes
Stackable	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

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

Mates With
85042 DIN 41612 Receptacle. 85052 DIN 41612 Header

Reference - Drawing Numbers

Packaging Specification	PK-85003-002
Product Specification	PS-85003-0001
Sales Drawing	SD-85003-0701

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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	C	C	C	C	C
b	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
a	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

A = 16 STANDARD CONTACTS L = 3
B = 16 STANDARD CONTACTS L = 3
C = 16 STANDARD CONTACTS L = 3
S = 48 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G1/0 = CONTACT AREA LEVEL1 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SD-85003-0002 SHT 1

CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER
C	G1/0	c1-16
B	G1/0	b1-16
A	G1/0	a1-16

EC NO: 1 2004-XXXX
DRWN: N.S. 09/09/03
CHK: G.L. 09/09/03
APPR: 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
THIRD ANGLE PROJECTION
DIMENSIONS: ☐mm/INCH ☐INCH/mm ☒mm ONLY
SHT REV
REVISE ON CAD ONLY
DRAWN BY & DATE N.S. 18/02/02
CHECKED BY & DATE G.L. 18/02/02
APPROVED BY & DATE G.L. 18/02/02
CAD FILENAME S85003070I.S01
TITLE: 48 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C/2 CONTACTS ARRANGEMENT
molex MOLEX INCORPORATED
MATERIAL NO. 85003-0701
DRAWING NO. SD-85003-0701
SHEET NO. 1 OF 1
SIZE D

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