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Part Number:

0850520165

Status:

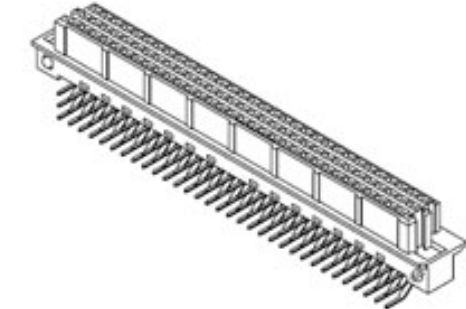
Active

Overview:

din_41612

Description:

2.54mm (.100") Pitch DIN 41612 Receptacle, Style R/2 Reverse, 48 Circuits



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Backplane Connectors
Series	85052
Application	Backplane
Component Type	PCB Receptacle
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	R/2

Physical

Circuits (Loaded)	48
Circuits (maximum)	48
Durability (mating cycles max)	400
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)	0.110 In
PC Tail Length (mm)	2.80 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 In, 0.126 In
PCB Thickness Recommended (mm)	1.60 mm, 3.20 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
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
Real Signals (per 25mm)	30
Voltage - Maximum	250V AC (RMS)

EU RoHS

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

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
85052Series

Mates With
DIN 41612 Headers 85003 , 85013

Material Info

Reference - Drawing Numbers

Sales Drawing

SDA-85052-0002, SDA-85052-0165

This document was generated on 05/17/2010

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A = 16 CONTACTS L=2,8

B = 16 CONTACTS L = 2,8

C = 16 CONTACTS L=2,8

S = 48 TOTAL NUMBER OF CONTACTS

Marking	Standard
Performance level	G2/0 = Contact area level2 / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85052-0002 sh.t.l
TechnicalData	PS-85052-0001

	C	G2/O	cI-I6	
	B	G2/O	bI-I6	
	A	G2/O	aI-I6	
B	Contact symbol	Perform. level	Contact position number	

first release	see ECN No. 2154	REVISIONS		FOR PREVIOUS REVISIONS SEE MRL LIST		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$		DRWG BY		SIGN	REVISIONS ONLY ON CAD SYSTEM		SH.	REV.
		INCH		METRIC		3 PLACE $\pm$. $\pm$		Cd			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		2 PLACE $\pm$. $\pm$				CHK'D BY		SIGN		TITLE 48 pos. female connector acc. DIN 41612 style R/2 contacts arrangement				
		1 PLACE $\pm$. $\pm$				KN		SIGN						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				APP'D BY		SIGN		MOLEX® MOLEX EUROPE SHEET NO. 1 OF 1 DATE 96/06/13				
		DESIGN DIMENSION ☐ MM ☐ IN.				SCALE								
		EQUIVALENT DIMENSION ☐ MM ☐ IN.				PART NO.		DWG NO.		SDA-85052-0165 SIZE A				
		IF TWO DIMENSIONS ARE SHOWN, THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY				85052-0165								