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Part Number:

0850500000

Status:

Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612 Receptacle, Style Q/2 Reverse, 32 Circuits

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

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

Agency Certification

CSA	LR19980
UL	E29179

General

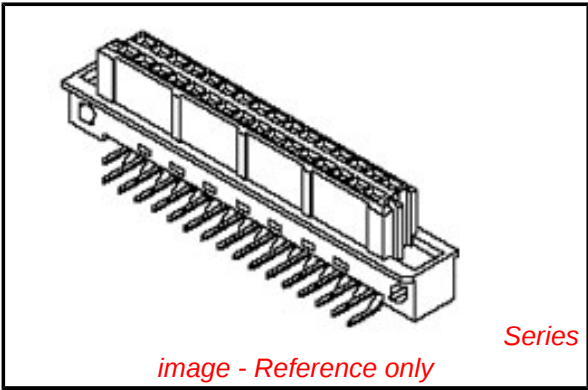
Product Family	Backplane Connectors
Series	85050
Application	Backplane
Component Type	PCB Receptacle
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	Q/2

Physical

Circuits (Loaded)	32
Circuits (maximum)	32
Durability (mating cycles max)	500
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	No
Keying to Mating Part	None
Number of Columns	16
Number of Pairs	Open Pin Field
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.110 In
PC Tail Length (mm)	2.80 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.063 In, 0.157 In
PCB Thickness Recommended (mm)	1.60 mm, 3.20 mm
Packaging Type	Bag
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	No
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C

Electrical

Current - Maximum per Contact	1.5A
Data Rate	622.0 Mbps
Real Signals (per 25mm)	20
Shielded	No
Voltage - Maximum	250V AC (RMS)



EU RoHS

ELV and RoHS
Compliant

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

85050Series

Mates With

DIN 41612/EIC 603-2 Mixed Layout
Connector [85009](#) , [85017](#)

Material Info

Reference - Drawing Numbers

Sales Drawing SDA-85050-0000, SDA-85050-0002

This document was generated on 05/17/2010

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VIEW ON MATING SIDE

A	=	16	CONTACTS	L=2,8
B	=	16	CONTACTS	L=2,8

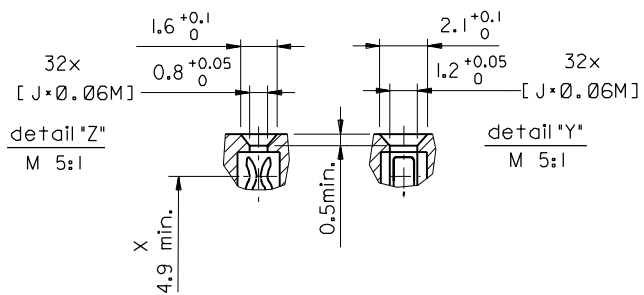
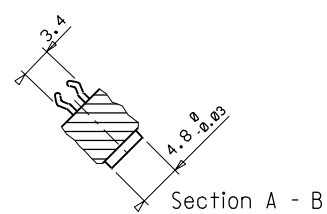
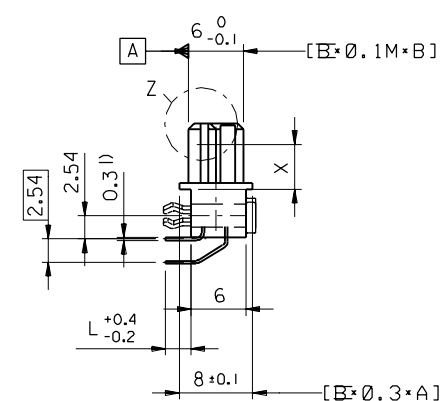
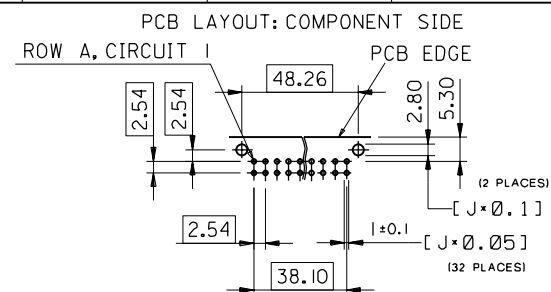
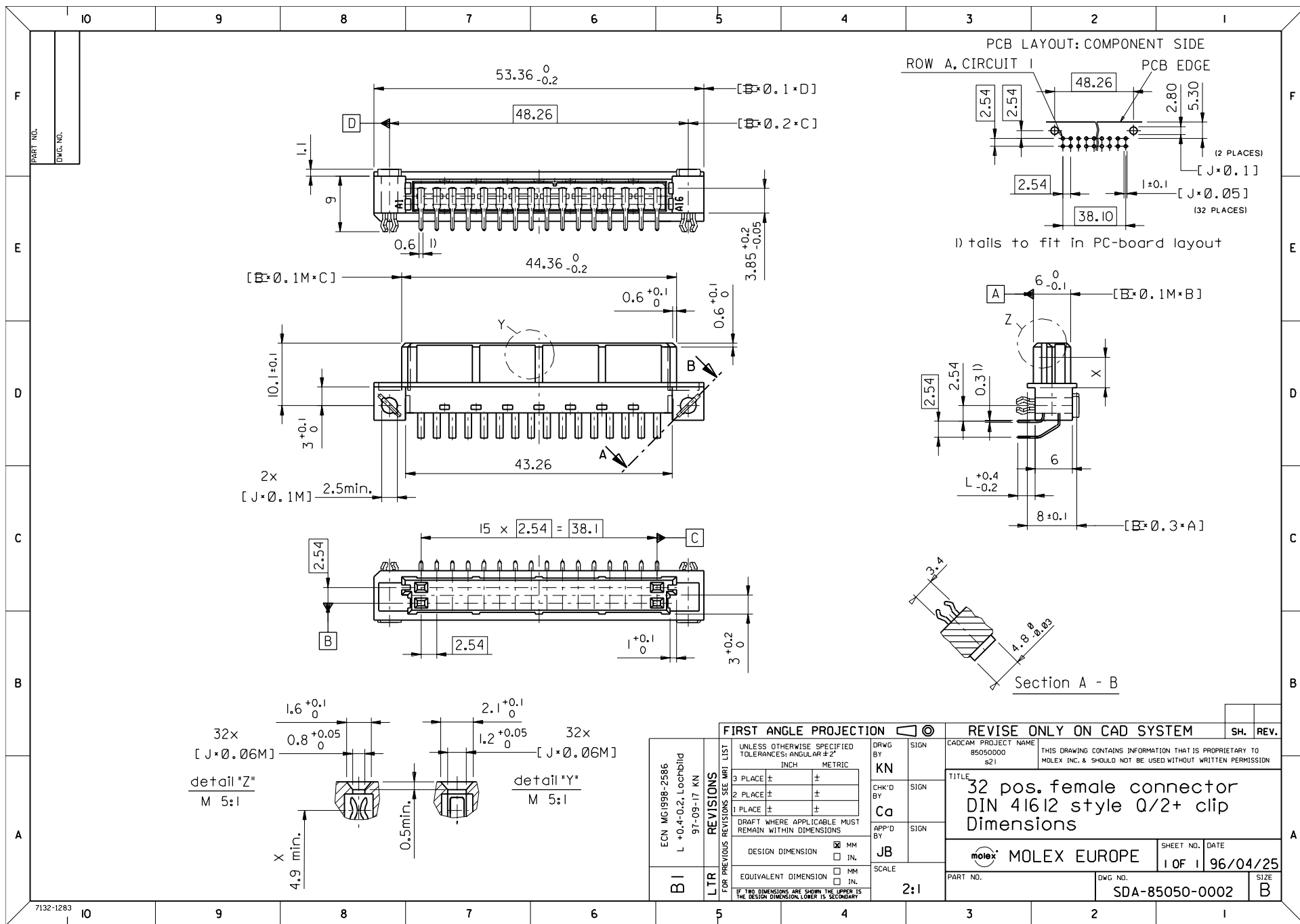
S = 32 TOTAL NUMBER OF CONTACTS

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

Marking	Standard
Performance level	G2/0 = Contact area perform. level2 / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85050-0002 sht.1
Technical Data	PS-85052-0001

B	G2/O	b1-16	
A	G2/O	a1-16	
Contact symbol	Perform. level	Contact position number	

ECN 2264	Produkt spec.	96-10-21 KN	REVISIONS	FOR PREVIOUS REVISIONS SEE MRJ LIST	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$			DRAWG BY	SIGN	REVISE ONLY ON CAD SYSTEM		SH.	REV.
					INCH		METRIC						
					3 PLACE $\pm$.	$\pm$	CHK'D BY			SIGN			
					2 PLACE $\pm$.	$\pm$	KN						
					1 PLACE $\pm$.	$\pm$	APP'D BY	SIGN	TITLE		32 pos. female connector acc. DIN 41612 style Q/2 contacts arrangement		
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					CAD/CAM PROJECT NAME		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
					DESIGN DIMENSION ☐ MM ☐ IN.					s85050000		SDA-85050-0000	
					EQUIVALENT DIMENSION ☐ MM ☐ IN.					85050-0000		SDA-85050-0000	
					IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY					85050-0000		SDA-85050-0000	
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ECN MG1998-2586 L +0.4-0.2, Lochbild 97-09-17 KN		REVISEMENTS FOR PREVIOUS REVISIONS SEE MRL LIST		FIRST ANGLE PROJECTION		REVISE ONLY ON CAD SYSTEM		SH.	REV.
B I	L TR	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 2°		DRWG BY	SGIN	CAD/CAM PROJECT NAME 85050000		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
		INCH METRIC		KN		TITLE			
		3 PLACE ± ±		CHK'D BY	SGIN	32 pos. female connector			
		2 PLACE ± ±		Ca		DIN 41612 style Q/2+ clip			
		1 PLACE ± ±				Dimensions			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APP'D BY	SGIN						
DESIGN DIMENSION ☒ MM		JB		MOLEX EUROPE		SHEET NO.	DATE		
EQUIVALENT DIMENSION ☐ MM		SCALE		PART NO.		DWG NO.	1 OF 1	96/04/25	SIZE
IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY		2:1				SDA-85050-0002			B