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Part Number: [0850400000](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Receptacle, Style B/2, 32 Circuits, Lead free

Documents:

[3D Model](#) [Product Specification PS-85042-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

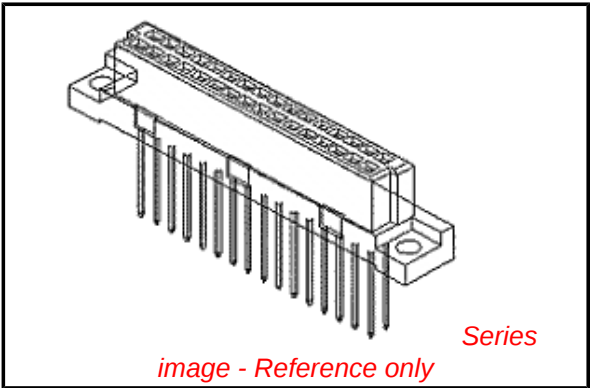
Product Family Backplane Connectors
Series [85040](#)
Application Daughtercard
Comments No Mounting Clips. No Flux Proof
Component Type PCB Receptacle
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style B/2

Physical

Circuits (Loaded) 32
Circuits (maximum) 32
Circuits Detail Standard Contacts at A:a1-a16; B:b1-b16
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 2
Orientation Vertical
PC Tail Length (in) 0.177 In
PC Tail Length (mm) 4.50 mm
PCB Locator No
PCB Retention Yes
PCB Thickness Recommended (in) 0.063 In, 0.157 In
PCB Thickness Recommended (mm) 1.60 mm, 4.00 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 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



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
[85040Series](#)

Mates With
DIN 41612 Headers [85001](#) , [85011](#)

Real Signals (per 25mm)	20
Shielded	No
Voltage - Maximum	250V AC (RMS)

Material Info

Reference - Drawing Numbers

Product Specification	PS-85042-001
Sales Drawing	SDA-85040-0000, SDA-85040-0002

This document was generated on 05/17/2010

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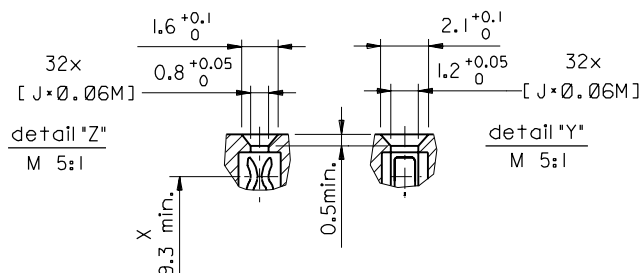
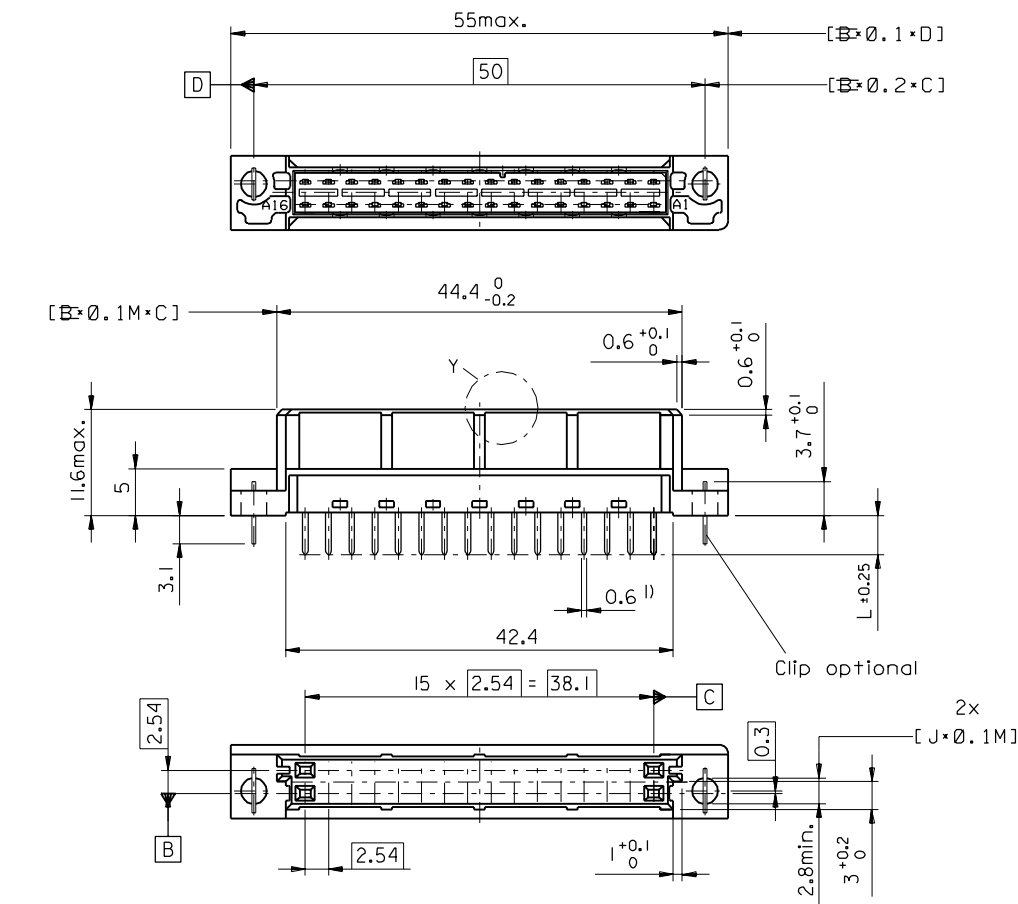
VIEW ON MATING SIDE

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

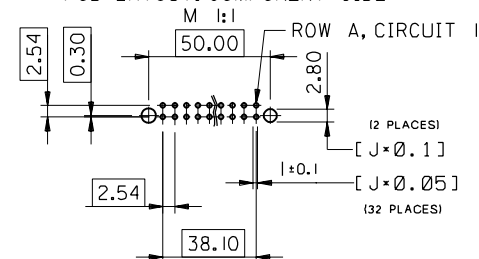
$A = 32$ CONTACTS $L = 4.5$

Marking	Standard
Performance level	G2/0 = Contact area level2 / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85040-0002 sht.1
Technical Data	PS-85042-0001

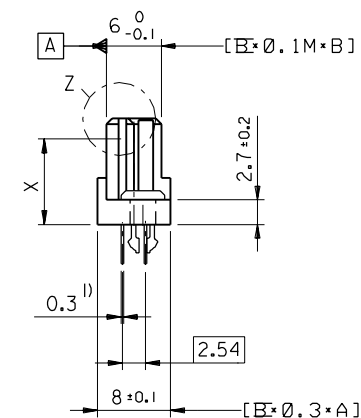
ECN 2264 Produkt spec.		96-10-18 KN	REVISIONS		FOR PREVIOUS REVISIONS SEE MRI LIST		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 2° INCH METRIC		DRAWG BY CA	SIGN	Contact symbol		Per form.	Contact position number			
			3 PLACE ± • ±		SIGN												
			2 PLACE ± • ±														
			1 PLACE ± • ±														
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APP'D BY	KN	SIGN	TITLE		CAD/CAM PROJECT NAME s8504000 S01		REVISE ONLY ON CAD SYSTEM		SH.	REV.					
DESIGN DIMENSION ☐ MM ☐ IN.		SCALE	SIGN		32 pos. female connector acc. DIN 41612 style B/2 contacts arrangement		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		MOLEX® MOLEX EUROPE		SHEET NO. 1 OF 1	DATE 96/05/15					
EQUIVALENT DIMENSION ☐ MM ☐ IN.					PART NO. 85040-0000		DWG NO. SDA-85040-0000		SIZE A								
IF TWO DIMENSIONS ARE SHOWN, THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY																	



PCB LAYOUT: COMPONENT SIDE



1) tails to fit in PC-board layout



FIRST ANGLE PROJECTION

LIST FOR PREVIOUS REVISIONS	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$		DRWG BY	SIGN
	INCH METRIC		KN	
	3 PLACE $\pm$	$\pm$	CHK'D BY	SIGN
	2 PLACE $\pm$	$\pm$	Ca	
	1 PLACE $\pm$	$\pm$	APP'D BY	SIGN
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		FB	
	DESIGN DIMENSION	☒ MM ☐ IN.		
	EQUIVALENT DIMENSION	☐ MM ☐ IN.		
	IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION. THE LOWER IS THE MANUFACTURING DIMENSION.			2:1

REVISE ONLY ON CAD SYSTEM

CADAM PROJECT NAME 85040000 821		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
TITLE 32pos. Female connector DIN 41612 style B/2, with clip, Dimensions			
 MOLEX EUROPE		SHEET NO. I OF I	DATE 96/04/23
PART NO.		DWG NO. SDA-85040-0002	SIZE B