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Part Number: [0850400012](#)
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

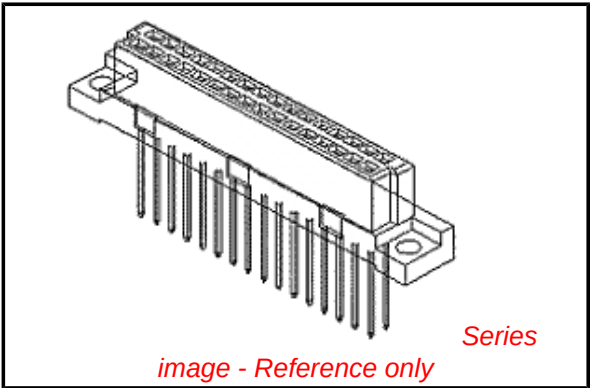
Product Family Backplane Connectors
Series [85040](#)
Application Daughtercard
Comments No Mounting Clips. No Flux Proof
Component Type PCB Receptacle
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style B/2

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) 0.114 In
PC Tail Length (mm) 2.90 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

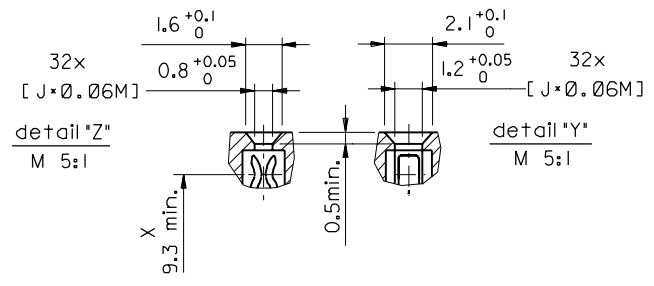
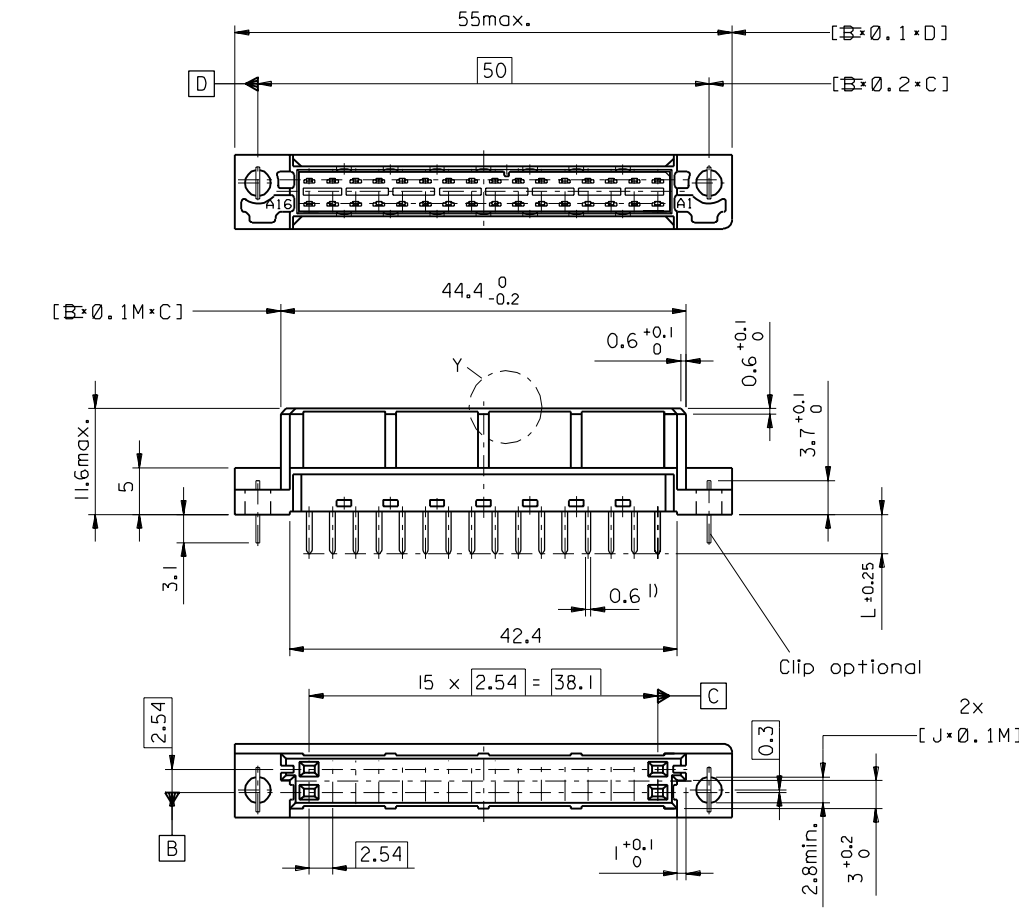
Product Specification	PS-85042-001
Sales Drawing	SDA-85040-0002, SDA-85040-0012

This document was generated on 05/17/2010

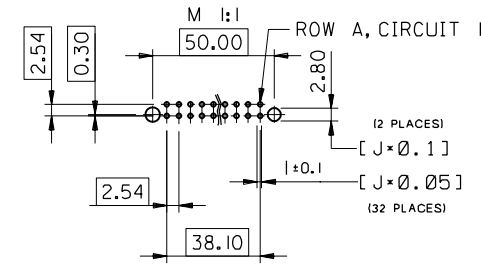
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PART NO.
DWG. NO.

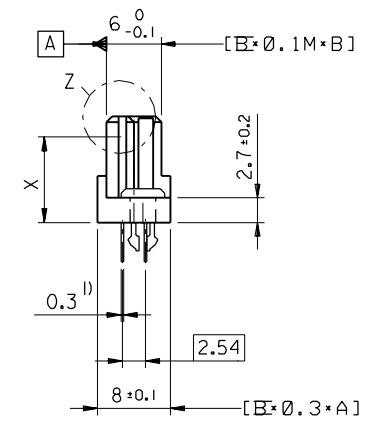
7132-1283



PCB LAYOUT: COMPONENT SIDE



1) tails to fit in PC-board layout



FIRST ANGLE PROJECTION

LTR	REVISIONS FOR PREVIOUS REVISIONS SEE MRI LIST	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 2°		DRWG BY KN	SIGN
		INCH METRIC			
		3 PLACE ±	±		
		2 PLACE ±	±		
		1 PLACE ±	±		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
		DESIGN DIMENSION	☒ MM ☐ IN.		
		EQUIVALENT DIMENSION	☐ MM ☐ IN.		
		IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY			

REVISE ONLY ON CAD SYSTEM

SH. REV.		MOLEX EUROPE		SHEET NO. DATE 1 OF 1 96/04/23	
		PART NO. SDA-85040-0002		SIZE B	

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 $L = 2.9$

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

A	G2/0	a1-16	b1-16
Contact symbol	Perform. level	Contact position number	

ECN 2264	96-10-18 KN	Produkt+spec.	LTR	REVISIONS		FOR PREVIOUS REVISIONS SEE MRJ LIST		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2°		DRWG BY	SIGN	REVISE ONLY ON CAD SYSTEM		SH.	REV.
				INCH		METRIC		CAD/CAM PROJECT NAME s85040000 s11				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
				3 PLACE ±		±		3 PLACE ±		Ca		TITLE		32 pos. female connector acc. DIN 41612 style B/2 contacts arrangement	
				2 PLACE ±		±		2 PLACE ±		CHK'D BY		SIGN			
				1 PLACE ±		±		1 PLACE ±		KN					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				APP'D BY		SIGN					
				DESIGN DIMENSION		☐ MM ☐ IN.						MOLEX® MOLEX EUROPE		SHEET NO. 1 OF 1	
				EQUIVALENT DIMENSION		☐ MM ☐ IN.		SCALE						DATE 96/05/15	
				IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY								PART NO. 85040-0012		DWG NO. SDA-85040-0012	
														SIZE A	