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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**

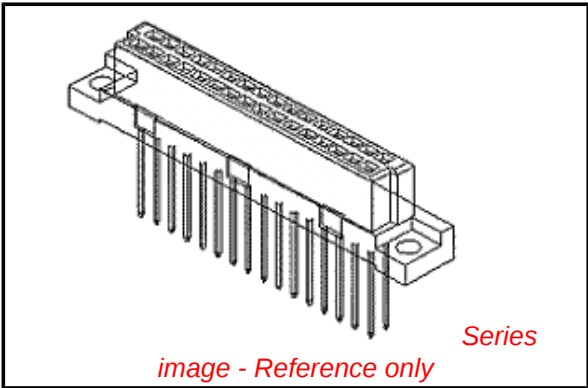
Product Family Backplane Connectors  
Series [85040](#)  
Application Daughtercard  
Comments No Mounting Clips. No Flux Proof  
Component Type PCB Receptacle  
Overview [din\\_41612](#)  
Product Name IEC 603-2/DIN 41612  
Style B/2

**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**



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environmental compliance?**

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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

|    |                  |                  |
|----|------------------|------------------|
| 1  | $\triangleright$ | $\triangleright$ |
| 2  | $\triangleright$ | $\triangleright$ |
| 3  | $\triangleright$ | $\triangleright$ |
| 4  | $\triangleright$ | $\triangleright$ |
| 5  | $\triangleright$ | $\triangleright$ |
| 6  | $\triangleright$ | $\triangleright$ |
| 7  | $\triangleright$ | $\triangleright$ |
| 8  | $\triangleright$ | $\triangleright$ |
| 9  | $\triangleright$ | $\triangleright$ |
| 10 | $\triangleright$ | $\triangleright$ |
| 11 | $\triangleright$ | $\triangleright$ |
| 12 | $\triangleright$ | $\triangleright$ |
| 13 | $\triangleright$ | $\triangleright$ |
| 14 | $\triangleright$ | $\triangleright$ |
| 15 | $\triangleright$ | $\triangleright$ |
| 16 | $\triangleright$ | $\triangleright$ |

A = 32 CONTACTS L = 4, 5

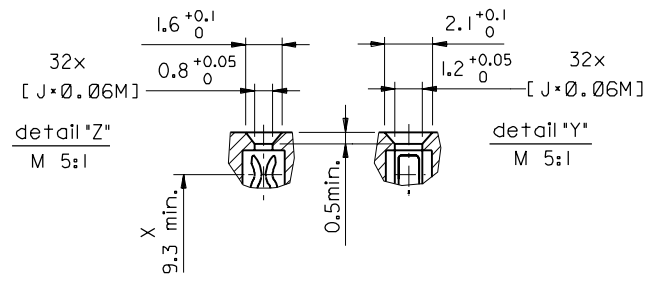
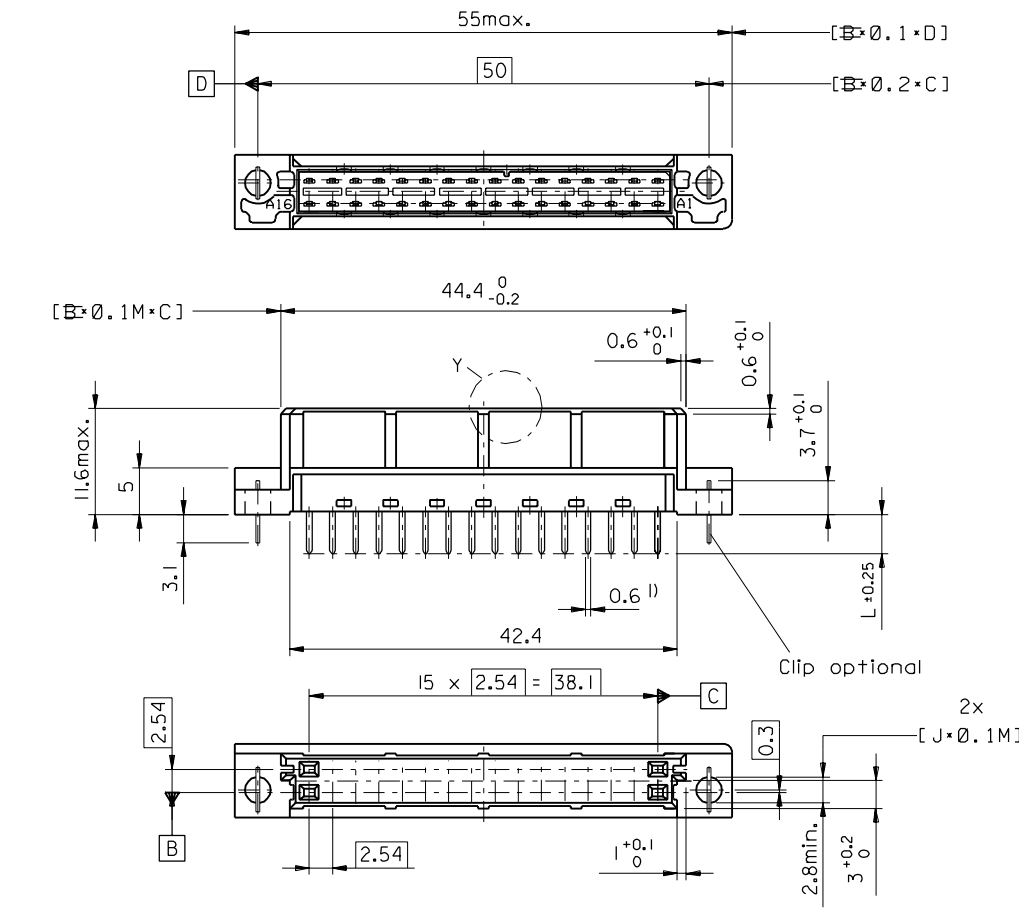
| Marking           | Standard                                     |
|-------------------|----------------------------------------------|
| Performance level | G2/0 = Contact area level2 / Termination tin |
| Flux proof        | no                                           |
| Fixing clip       | no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

|                |                |                         |       |
|----------------|----------------|-------------------------|-------|
|                |                |                         |       |
|                |                |                         |       |
| A              | G2/O           | a1-I6                   | b1-I6 |
| Contact symbol | Perform. level | Contact position number |       |

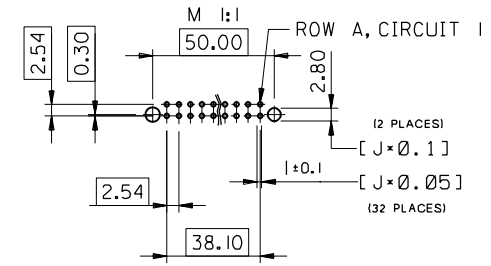
|          |               |                                                                                       |           |                                     |  |                                                        |  |            |      |                                                                                       |                       |                     |                        |     |      |  |  |
|----------|---------------|---------------------------------------------------------------------------------------|-----------|-------------------------------------|--|--------------------------------------------------------|--|------------|------|---------------------------------------------------------------------------------------|-----------------------|---------------------|------------------------|-----|------|--|--|
| ECN 2264 | Produkt+spec. | 96-10-18 KN                                                                           | REVISIONS | FOR PREVIOUS REVISIONS SEE MRJ LIST |  | UNLESS OTHERWISE SPECIFIED<br>TOLERANCES: ANGULAR ± 2° |  | DRWG<br>BY | SIGN | REVISE ONLY ON CAD SYSTEM                                                             |                       |                     |                        | SH. | REV. |  |  |
|          |               |                                                                                       |           | INCH                                |  | METRIC                                                 |  |            |      |                                                                                       |                       |                     |                        |     |      |  |  |
|          |               | 3 PLACE ± .                                                                           | ±         |                                     |  | Cd                                                     |  |            |      | CAD/CAM PROJECT NAME<br>s85040000<br>s01                                              |                       |                     |                        |     |      |  |  |
|          |               | 2 PLACE ± .                                                                           | ±         |                                     |  | CHK'D<br>BY                                            |  |            |      | TITLE<br>32 pos. female connector<br>acc. DIN 41612 style B/2<br>contacts arrangement |                       |                     |                        |     |      |  |  |
|          |               | 1 PLACE ± .                                                                           | ±         |                                     |  | KN                                                     |  |            |      |                                                                                       |                       |                     |                        |     |      |  |  |
|          |               | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS                               |           |                                     |  | APP'D<br>BY                                            |  |            |      |                                                                                       |                       |                     |                        |     |      |  |  |
|          |               | DESIGN DIMENSION <input type="checkbox"/> MM <input type="checkbox"/> IN.             |           |                                     |  | SCALE                                                  |  |            |      | MOLEX® EUROPE                                                                         |                       | SHEET NO.<br>1 OF 1 | DATE<br>96/05/15       |     |      |  |  |
|          |               | EQUIVALENT DIMENSION <input type="checkbox"/> MM <input type="checkbox"/> IN.         |           |                                     |  |                                                        |  |            |      | PART NO.                                                                              | DWG NO.<br>85040-0000 |                     | SIZE<br>SDA-85040-0000 | A   |      |  |  |
|          |               | IF TWO DIMENSIONS ARE SHOWN, THE UPPER IS<br>THE DESIGN DIMENSION, LOWER IS SECONDARY |           |                                     |  |                                                        |  |            |      |                                                                                       |                       |                     |                        |     |      |  |  |

PART NO.  
DWG. NO.

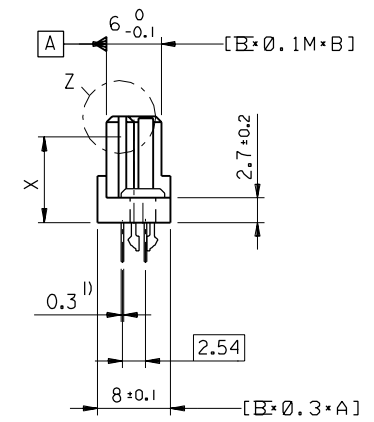
7132-1283



PCB LAYOUT: COMPONENT SIDE



1) tails to fit in PC-board layout



FIRST ANGLE PROJECTION

|                                                   |           |                                                                                      |                                                                        |          |      |
|---------------------------------------------------|-----------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------|----------|------|
| ECN MG1998-2727<br>new fixing clip<br>98-04-14 Ca | REVISIONS | UNLESS OTHERWISE SPECIFIED<br>TOLERANCES: ANGULAR ± 2°                               |                                                                        | DRWG BY  | SIGN |
|                                                   |           | INCH METRIC                                                                          |                                                                        | KN       |      |
|                                                   |           | 3 PLACE ±                                                                            | ±                                                                      | CHK'D BY | SIGN |
|                                                   |           | 2 PLACE ±                                                                            | ±                                                                      | Ca       |      |
|                                                   |           | 1 PLACE ±                                                                            | ±                                                                      | APP'D BY | SIGN |
| C                                                 | LTR       | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS                              |                                                                        | FB       |      |
|                                                   |           | DESIGN DIMENSION                                                                     | <input checked="" type="checkbox"/> MM<br><input type="checkbox"/> IN. | SCALE    |      |
|                                                   |           | EQUIVALENT DIMENSION                                                                 | <input type="checkbox"/> MM<br><input type="checkbox"/> IN.            | 2:1      |      |
|                                                   |           | IF TWO DIMENSIONS ARE SHOWN THE UPPER IS<br>THE DESIGN DIMENSION, LOWER IS SECONDARY |                                                                        |          |      |
|                                                   |           |                                                                                      |                                                                        |          |      |

REVISE ONLY ON CAD SYSTEM

|                                                                                   |  |                                                                                                                        |  |                     |                  |
|-----------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------|--|---------------------|------------------|
| CAD/CAM PROJECT NAME<br>85040000<br>821                                           |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO<br>MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  | SH.                 | REV.             |
| TITLE<br>32pos. Female connector<br>DIN 41612 style B/2,<br>with clip, Dimensions |  | MOLEX EUROPE                                                                                                           |  | SHEET NO.<br>1 OF 1 | DATE<br>96/04/23 |
| PART NO.                                                                          |  | DWG NO.<br>SDA-85040-0002                                                                                              |  | SIZE<br>B           |                  |