

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0850010012

Status:

Active

Overview:

IEC 603-2 / DIN 41612

Description:

2.54mm (.100") Pitch DIN 41612 Header, Style B/2, Right Angle, Through Hole, 0.6µm (24µ") Selective Gold (Au), 32 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-85003-0001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Application

Component Type

Overview

Product Name

Style

Backplane Connectors

85001

Daughtercard

PCB Header

IEC 603-2 / DIN 41612

IEC 603-2/DIN 41612

B/2

Physical

Circuits (Loaded)

Circuits (maximum)

Circuits Detail

Durability (mating cycles max)

First Mate / Last Break

Flammability

Guide to Mating Part

Keying to Mating Part

Number of Columns

Number of Pairs

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Temperature Range - Operating

Termination Interface: Style

32

32

Contact Positions at: A:a1-a16; B:b1-b16

400

No

94V-0

No

Yes

16

Open Pin Field

2

Right Angle

0.118 In

3.00 mm

No

Yes

0.062 In

1.60 mm

Bag

0.100 In

2.54 mm

0.100 In

2.54 mm

-55°C to +125°C

Through Hole

Electrical

Current - Maximum per Contact

Data Rate

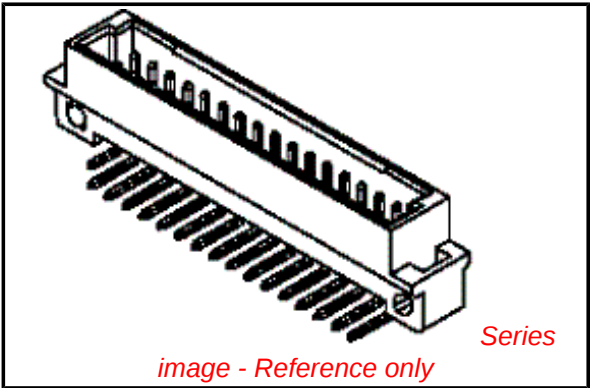
Voltage - Maximum

1.5A

622.0 Mbps

250V AC (RMS)

Material Info



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

85001Series

Mates With

DIN 41612 Receptacle [85040](#) , [85050](#)

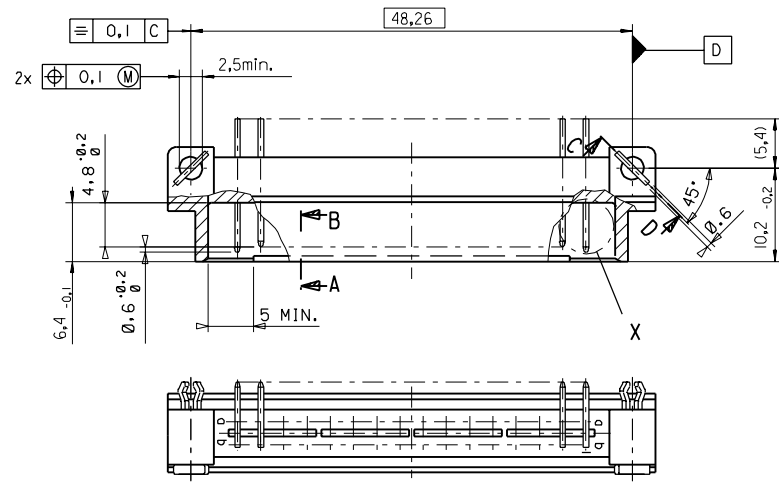
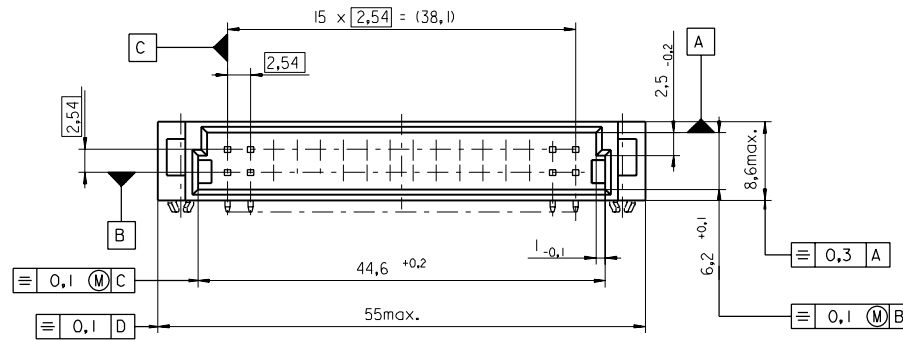
Reference - Drawing Numbers

Product Specification
Sales Drawing

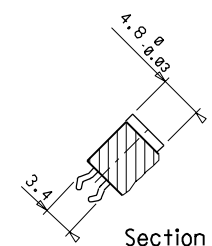
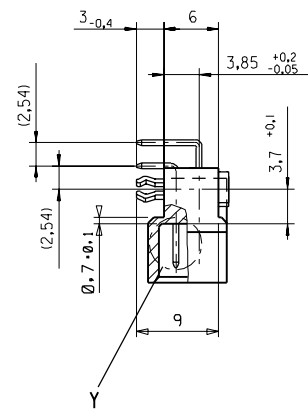
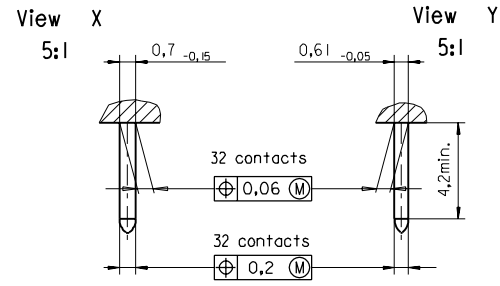
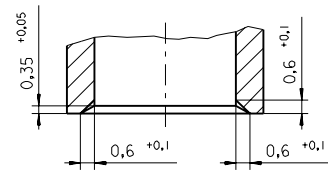
PS-85003-0001
SDA-85001-0002, SDA-85001-0012

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Section A - B
5:1



Section C - D

		FIRST ANGLE PROJECTION						REVISE ONLY ON CAD SYSTEM				SH. REV.	
first release see ECN No. 1887	LTR	REVISIONS FOR PREVIOUS REVISIONS SEE MTR LIST	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$		DRWG BY	SIGN	CAD/CAM PROJECT NAME 85001000 621		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
			INCH METRIC		Ca		TITLE		32 pos. Male connector acc. DIN 41612 style B/2 Dimensions				
			3 PLACE $\pm$. $\pm$		CHK'D BY	SIGN							
			2 PLACE $\pm$. $\pm$		KN								
			1 PLACE $\pm$. $\pm$		APP'D BY	SIGN							
A	LTR	REVISIONS FOR PREVIOUS REVISIONS SEE MTR LIST	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SCALE		2:1		molex MOLEX EUROPE		SHEET NO. 1 OF	DATE 95/06/06	
			DESIGN DIMENSION ☒ MM ☐ IN.				PART NO.		DWG NO.		SIZE		
			EQUIVALENT DIMENSION ☐ MM ☐ IN.				SDA-85001-0002		B				
			IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY										

VIEW ON MATING SIDE

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

A = 16 STANDARD CONTACTS L = 3

B = 16 STANDARD CONTACTS L = 3

$S = 32$ TOTAL NUMBER OF CONTACTS

Marking	Standard
Performance level	G2/0 = Contact area level2 / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-8500I-0002 sht.I
Technical Data	PS-85003-000I

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

C	see ECN No. 2204	96/07/18 Cd	LTR	FOR PREVIOUS REVISIONS SEE MRJ LIST		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2°		DRWG BY Ca	SIGN	REVISIONS		REVISE ONLY ON CAD SYSTEM		SH.	REV.
				3 PLACE ± • ±		INCH				METRIC					
				2 PLACE ± • ±											
				1 PLACE ± • ±											
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
						DESIGN DIMENSION		☐ MM	☐ IN.	SCALE	MOLEX® EUROPE		SHEET NO. 1 OF 1	DATE 95/05/23	SIZE A
						EQUIVALENT DIMENSION		☐ MM	☐ IN.						
						IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY									
						PART NO.		DWG NO.							
						85001-0012		SDA-85001-0012							