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Part Number:

0850133196

Status:

Active

Overview:

din_41612

Description:

2.54mm (.100") Pitch DIN 41612 Header, Through Hole, Vertical, Style R/2 Reverse, 1µm (40µ") Selective Gold (Au), 48 Circuits, Lead free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-85013-0001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Application

Comments

Component Type

Overview

Product Name

Style

Backplane Connectors

85013

Daughtercard

No Industrial Environment

PCB Header

din_41612

IEC 603-2/DIN 41612

R/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

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Polarized to PCB

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

48

48

Rows A, B, & C

500

No

94V-0

No

Yes

16

Open Pin Field

3

Vertical

0.110 In

2.90 mm

No

Yes

Bag

0.100 In

2.54 mm

0.100 In

2.54 mm

39

1

No

No

No

-55°C to +125°C

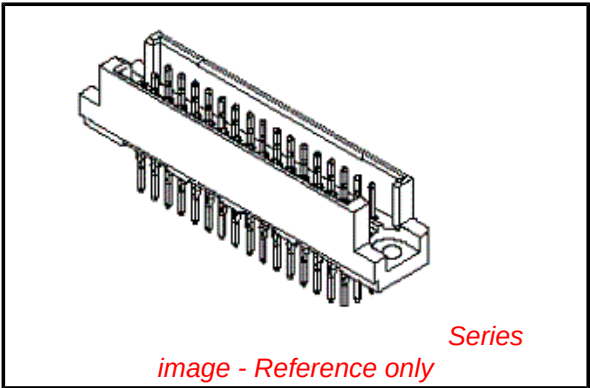
Electrical

Current - Maximum per Contact

Data Rate

1A

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

85013Series

Mates With

85042 DIN 41612 Receptacle . 85052 DIN 41612 Header

Real Signals (per 25mm)	30
Shield Type	N/A
Shielded	No
Voltage - Maximum	1000V (RMS)

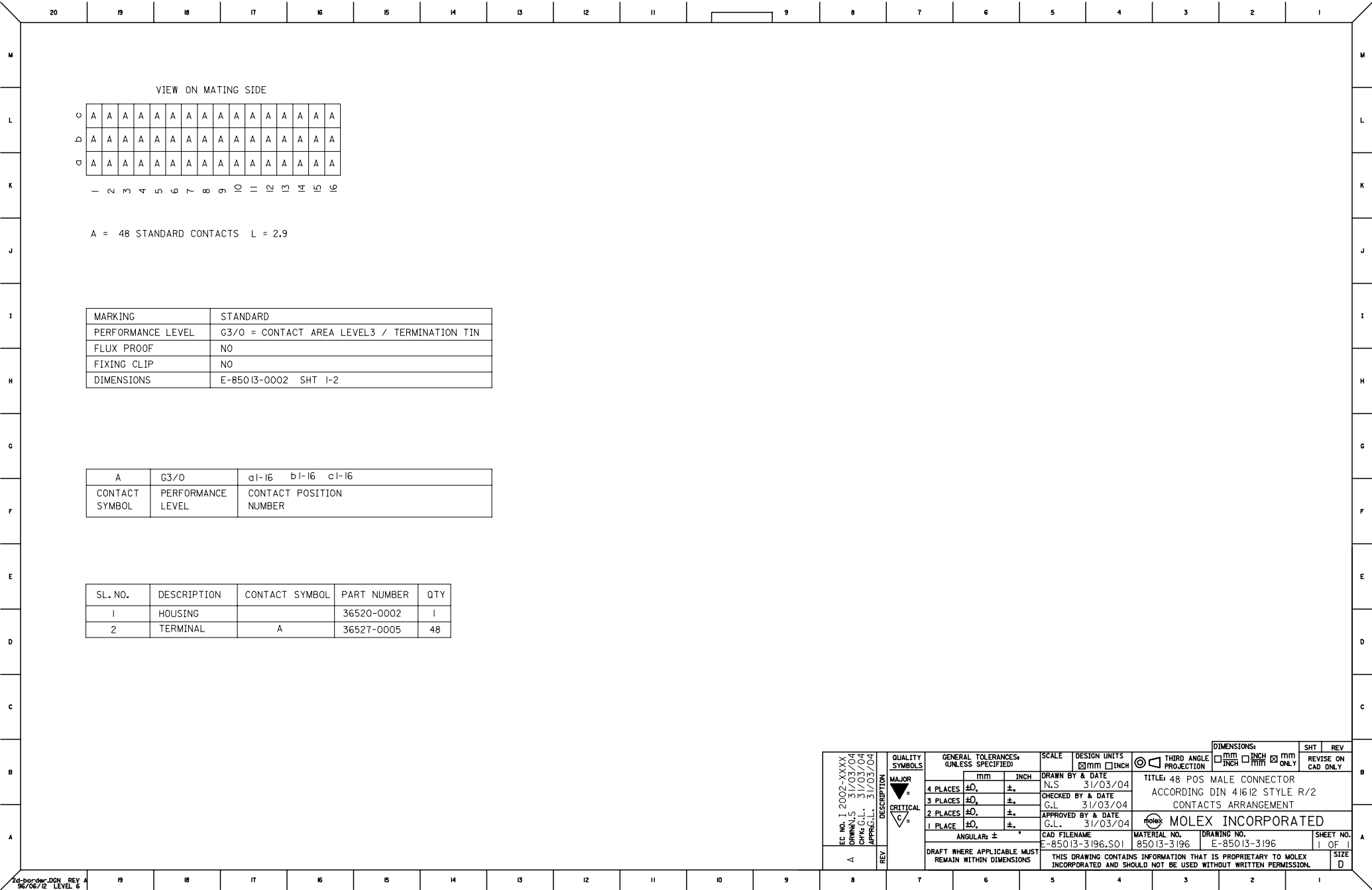
Material Info

Reference - Drawing Numbers

Product Specification	PS-85013-0001
Sales Drawing	SD-85013-3196, SDA-85013-0002, SDA-85013-3196

This document was generated on 05/17/2010

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VIEW ON MATING SIDE

A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

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

A = 48 STANDARD CONTACTS L = 2.9

MARKING	STANDARD
PERFORMANCE LEVEL	G3/0 = CONTACT AREA LEVEL3 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	E-85013-0002 SHT 1-2

A	G3/0	a1-16 b1-16 c1-16
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

SL. NO.	DESCRIPTION	CONTACT SYMBOL	PART NUMBER	QTY
1	HOUSING		36520-0002	1
2	TERMINAL	A	36527-0005	48

EC NO. I 2002-XXXX DRAWN: S 31/03/04 CHK: G.L. 31/03/04 APPR: L. 31/03/04		QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE	DESIGN UNITS ☐ MM ☐ INCH	 THIRD ANGLE PROJECTION	DIMENSIONS: ☐ mm ☐ INCH ☒ INCH ONLY		SHT	REV	
										REVISE ON CAD ONLY		
			4 PLACES $\pm 0.$ $\pm .$		DRAWN BY & DATE NLS 31/03/04			TITLE: 48 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE R/2 CONTACTS ARRANGEMENT				
			3 PLACES $\pm 0.$ $\pm .$		CHECKED BY & DATE G.L. 31/03/04							
			2 PLACES $\pm 0.$ $\pm .$		APPROVED BY & DATE G.L. 31/03/04			 MOLEX INCORPORATED				
			1 PLACE $\pm 0.$ $\pm .$									
			ANGULAR $\pm$ *		CAD FILENAME E-85013-3196.S01			MATERIAL NO. 85013-3196	DRAWING NO. E-85013-3196	SHEET NO. 1 OF 1		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			SIZE D				

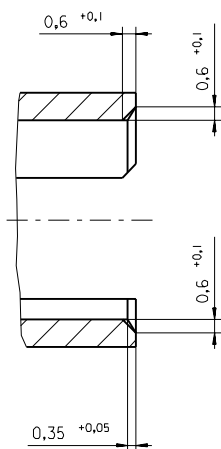
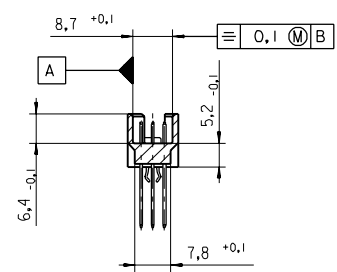
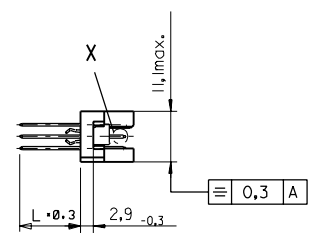
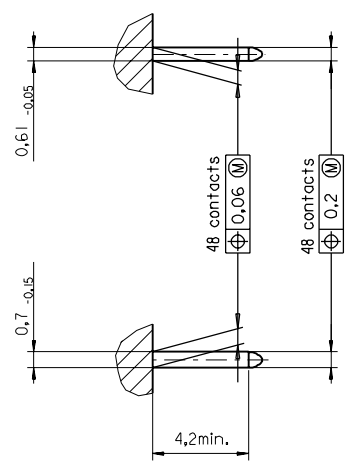
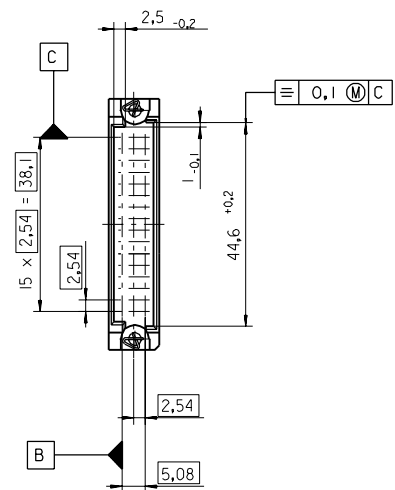
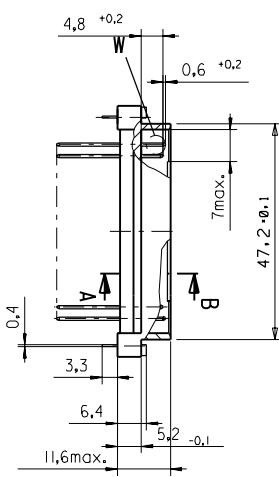
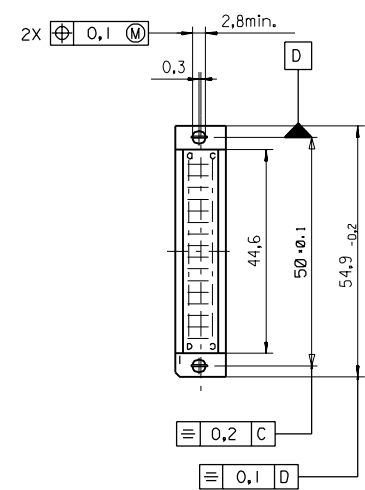
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

A = 48 STANDARD CONTACTS L = 2.9

MARKING	STANDARD
PERFORMANCE LEVEL	G3/0 = CONTACT AREA LEVEL3 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SD-85013-0002 SHT 1

A	G3/0	a1-16 b1-16 c1-16
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO. 1 2002-XXXX				QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	DIMENSIONS:			SHIT	REV
DRW'N G.L. 31/03/04	CHK'G G.L. 31/03/04	APPR'G L. 31/03/04	mm			INCH	mm	INCH		mm ONLY	mm	INCH	ON CAD ONLY		
A	DESCRIPTION	MAJOR	mm	INCH	DRAWN BY & DATE		TITLE 48 POS MOLEX CONNECTOR ACCORDING DIN 41612 STYLE R/2 CONTACTS ARRANGEMENT								
		CRITICAL			N.S. 31/03/04										
		4 PLACES	±0.	±.	CHECKED BY & DATE										
		3 PLACES	±0.	±.	G.L. 31/03/04										
		2 PLACES	±0.	±.	APPROVED BY & DATE										
1 PLACE	±0.	±.	G.L. 31/03/04				MOLEX INCORPORATED								
			ANGULAR ±		CAD FILENAME		MATERIAL NO.		DRAWING NO.		SHEET NO.				
					S850133196.S01		85013-3196		SD-85013-3196		1 OF 1				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.										
					SIZE										



FIRST ANGLE PROJECTION		REVISE ONLY ON CAD SYSTEM		SH.	REV.
first release see ECN No. 1887	LTR REVISIONS FOR PREVIOUS REVISIONS SEE MRI LIST	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 2°	DRWG BY Ca	CAD/CAM PROJECT NAME 85013000 621	
		INCH METRIC	CHK'D BY KN	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
		3 PLACE ± .	APP'D BY	TITLE 48 pos. Male connector acc. DIN 41612 style R/2 Dimensions	
		2 PLACE ± .	SCALE	MOLEX EUROPE	
BI	LTR	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SCALE	SHEET NO. DATE 1 OF 95/06/08	
		DESIGN DIMENSION ☒ MM ☐ IN.		PART NO. DWG NO. SIZE	
		EQUIVALENT DIMENSION ☐ MM ☐ IN.		SDA-85013-0002 B	
		IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY			

