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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)

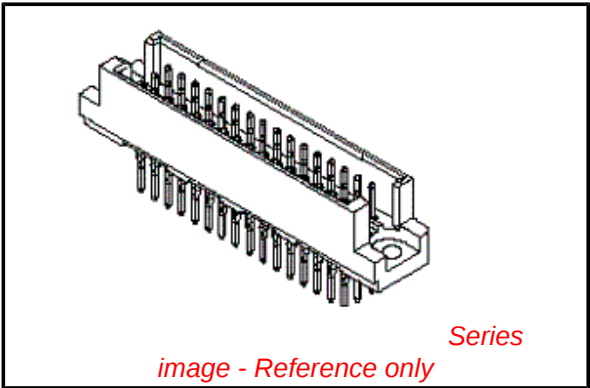
Product Specification PS-85013-0001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	Backplane Connectors
Series	85013
Application	Daughtercard
Comments	No Industrial Environment
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	R/2

Physical	
Circuits (Loaded)	48
Circuits (maximum)	48
Circuits Detail	Rows A, B, & C
Durability (mating cycles max)	500
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	3
Orientation	Vertical
PC Tail Length (in)	0.110 In
PC Tail Length (mm)	2.90 mm
PCB Locator	No
PCB Retention	Yes
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
Plating min: Mating (µin)	39
Plating min: Mating (µm)	1
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C

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

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

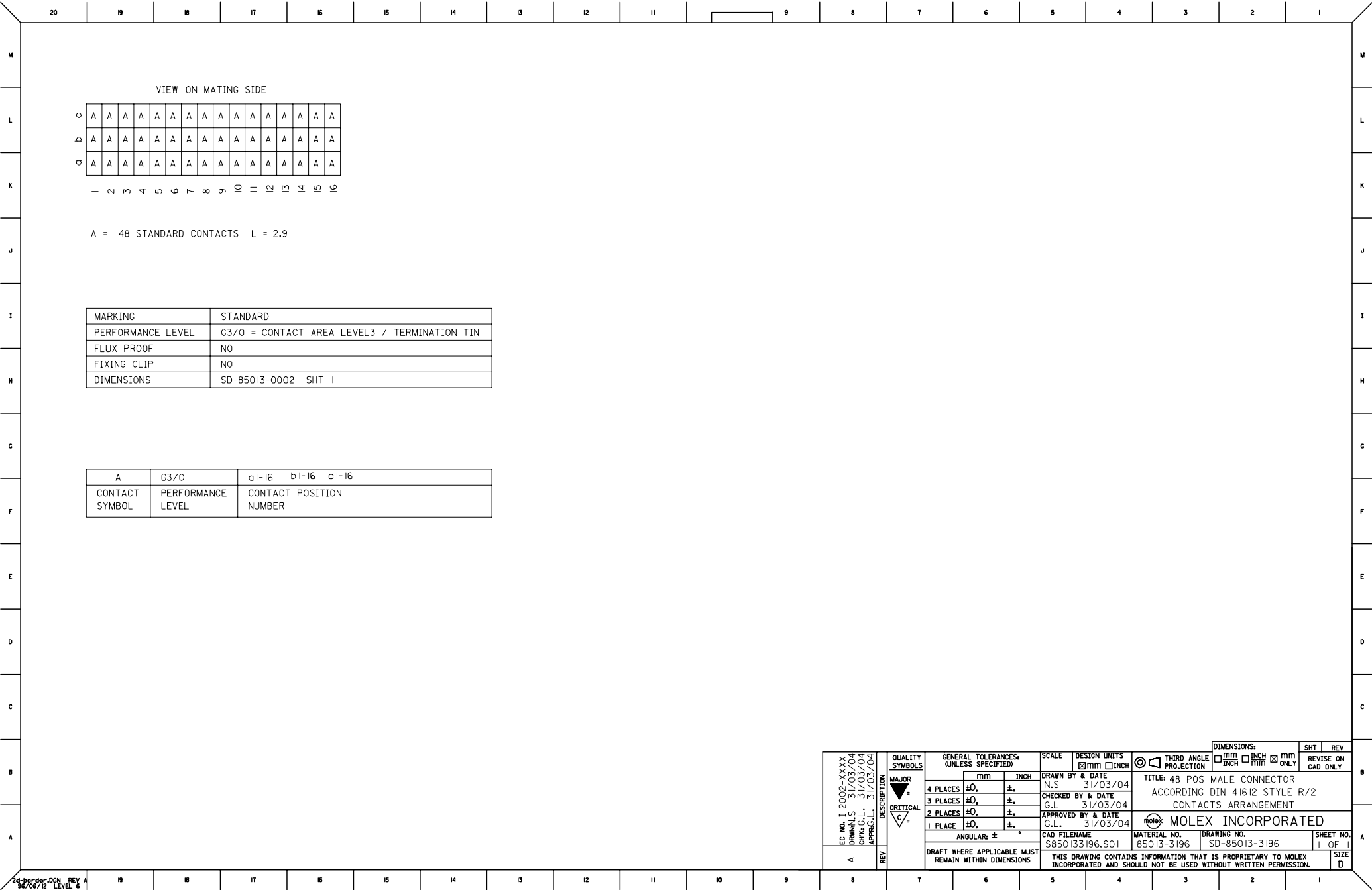
A = 48 STANDARD CONTACTS L = 2.9

MARKING	STANDARD
PERFORMANCE LEVEL	G3/0 = CONTACT AREA LEVEL3 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	E-850I3-0002 SHT I-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

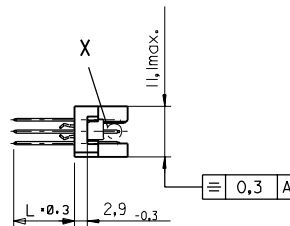
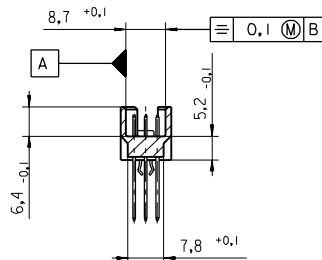
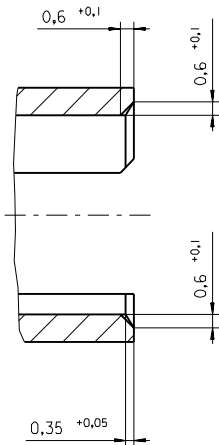
EC. NO. 1 2002-XXXX		QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE	DESIGN UNITS ☒ MM ☐ INCH	THIRD ANGLE PROJECTION	DIMENSIONS: ☐ mm ☐ INCH ☒ ONLY		SHIT	REV.
APPROVALS: 31/03/04 CHRG G.L. 31/03/04 APPRG L.L. 31/03/04	4 PLACES ± 0.1		3 PLACES ± 0.2	DRAWN BY & DATE N.S. 31/03/04	TITLE: 48 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE R/2 CONTACTS ARRANGEMENT			REVISION ON CAD ONLY			
A	REV	MAJOR CRITICAL	2 PLACES ± 0.1	1 PLACE ± 0.2	CHECKED BY & DATE G.L. 31/03/04	APPROVED BY & DATE G.L. 31/03/04	MOLEX	MOLEX INCORPORATED			
			ANGULAR $\pm$		CAD FILENAME E-85013-3196.S01			MATERIAL NO. 85013-3196	DRAWING NO. E-85013-3196	SHEET NO. 1 OF 1	
			DRAFT HEREIN 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			



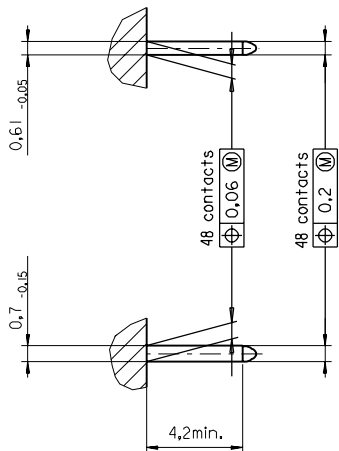
EC NO. I 2002-XXXX DRWN: NLS 31/03/04 CHK: G.L. 31/03/04 APPR: G.L. 31/03/04 A		MAJOR CRITICAL REV	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE	DESIGN UNITS		THIRD ANGLE PROJECTION	DIMENSIONS:		SHT	REV
								☐ mm ☐ INCH		☐ mm ☐ INCH	☐ mm ☐ INCH		REVISE ON CAD ONLY	
			DRAWN BY & DATE		NLS 31/03/04		TITLE: 48 POS MALE CONNECTOR							
			CHECKED BY & DATE		G.L. 31/03/04		ACCORDING DIN 41612 STYLE R/2							
			APPROVED BY & DATE		G.L. 31/03/04		CONTACTS ARRANGEMENT							
			CAD FILENAME		S850133196.S01		MATERIAL NO.		DRAWING NO.		SHEET NO.			
							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		
												D		

PART NO.
DWG. NO.

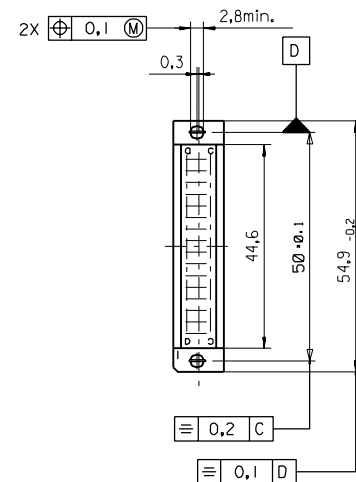
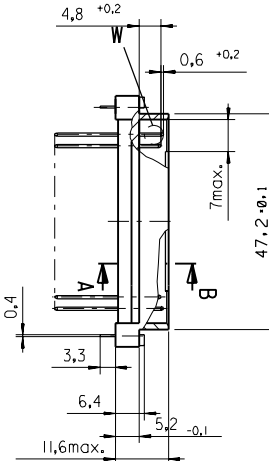
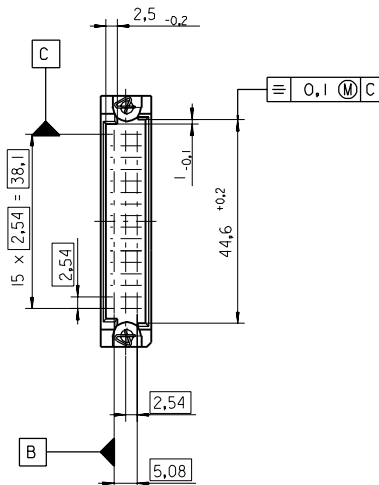
Section A - B
5:1



View X
5:1



View W
5:1



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 $\pm 2^\circ$		DRWG BY Ca	SIGN	CAD/CAM PROJECT NAME 85013000 621		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
			INCH METRIC				TITLE 48 pos. Male connector acc. DIN 41612 style R/2 Dimensions					
			1 PLACE $\pm$. $\pm$		CHK'D BY KN	SIGN						
			2 PLACE $\pm$. $\pm$									
BI	LTR	REVISIONS FOR PREVIOUS REVISIONS SEE MRI LIST	1 PLACE $\pm$. $\pm$		APP'D BY	SIGN						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
			DESIGN DIMENSION ☒ MM ☐ IN.				MOLEX EUROPE		SHEET NO. 1 OF	DATE 95/06/08		
			EQUIVALENT DIMENSION ☐ MM ☐ IN.				SCALE		PART NO.		DWG. NO. SDA-85013-0002	SIZE B
IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY												

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