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Part Number:

0850159008

Status:

Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612 Header, Through Hole, Vertical, Press-fit Style R, 0.6µm (24µ") Selective Gold (Au), 128 Circuits, Lead Free

Documents:

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

[Product Specification PS-85013-0002 \(PDF\)](#)

General	
Product Family	Backplane Connectors
Series	85015
Application	Backplane
Comments	"R" at Style Represents Vertical Male DIN Connectors
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	R
Physical	
Circuits (Loaded)	128
Circuits (maximum)	128
Circuits Detail	Standard Contacts at A:a1-a30, b1-b30, c1-c30, d1-d30 . First-Mate- Last-Break Contacts at Z: a31-a32, b31-b32, c31-c32, d31-d32
Color - Resin	Gray
Durability (mating cycles max)	400
First Mate / Last Break	Yes
Guide to Mating Part	No
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Columns	32
Number of Pairs	Open Pin Field
Number of Rows	4
Orientation	Vertical
PC Tail Length (in)	0.787 In
PC Tail Length (mm)	2.00 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	Carton
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)	24
Plating min: Mating (µm)	0.6
Plating min: Termination (µin)	16
Plating min: Termination (µm)	0.4
Polarized to PCB	Yes
Stackable	No

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

[85015Series](#)

Mates With

85042 DIN 41612 Receptacle . [85052](#) DIN 41612 Header

Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-85015-001
Product Specification	PS-85013-0002
Sales Drawing	SD-85015-9008, SDA-85015-0001

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F

E

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C

B

A

F

E

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VIEW ON MATING SIDE

U	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	Z	Z	
D	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	Z	Z	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

A = 120 STANDARD CONTACTS L=2
Z = 8 FMLB CONTACTS + 1.0 L=2
S = 128 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G2/0 = CONTACT AREA PERFORM. LEVEL 2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SDA-85015-0001 SHT 3
TECHNICAL DATA	PS-85013-0002

CONTACT SYMBOL	PERFORM. LEVEL	CONTACT POSITION NUMBER
A	G2/0	a1-a30, b1-b30, c1-c30, d1-d30
Z	G2/0	a31-a32, b31-b32, c31-c32, d31-d32

ENTER DESCRIPTION EC NO: I2009-0127 DRWNS:J CHKD:KPRASAD APPR:KPRASAD A	2008/09/25 2008/09/25 2008/09/25	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
						DRAWN BY SJ	DATE 2008/09/09	TITLE 128 POS MALE CONN DIN 41612 STYLE R CONTACT ARRANGEMENT MOLEX INCORPORATED			
						CHECKED BY KPRASAD	DATE 2008/09/09				
						APPROVED BY KPRASAD	DATE 2008/09/09				
				ANGULAR ±---°		MATERIAL NO. 85015-9008		DOCUMENT NO. SD-85015-9008		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					

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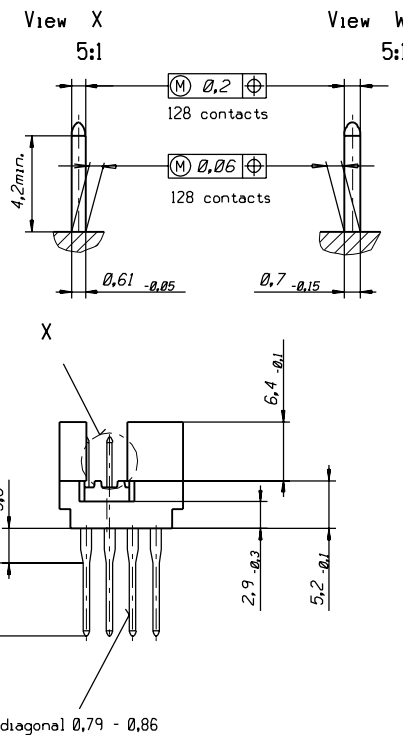
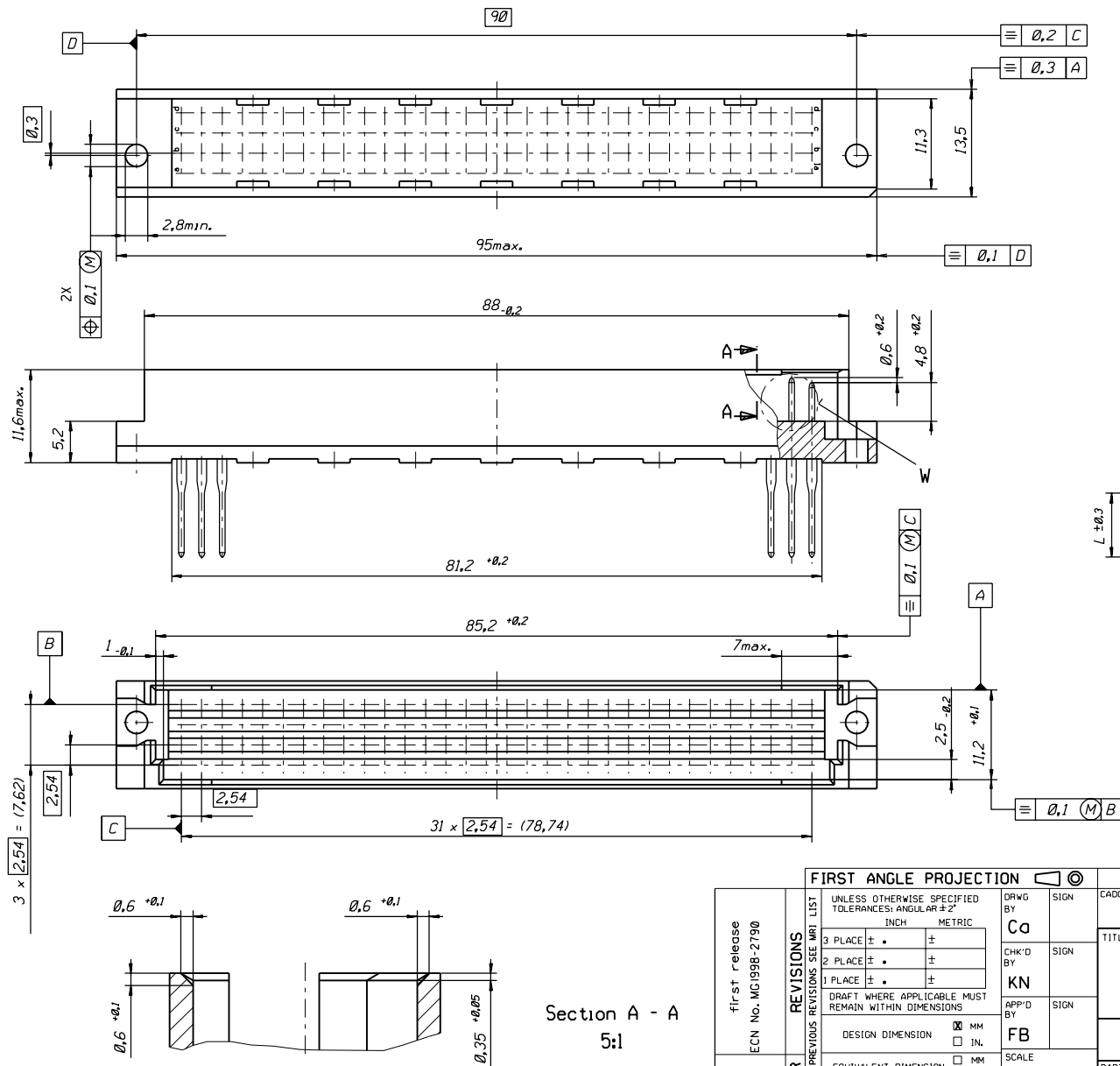
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REVISIONS FOR PREVIOUS REVISIONS SEE MRL LIST LTR	FIRST ANGLE PROJECTION 		REVISE ONLY ON CAD SYSTEM		SH. REV.
	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$		DWG BY Ca	SIGN	CAD/CAM PROJECT NAME 850-0000 S11
	INCH METRIC 3 PLACE $\pm$. $\pm$ 2 PLACE $\pm$. $\pm$ 1 PLACE $\pm$. $\pm$		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CHK'D BY KN	SIGN	TITLE 128 pos. Male connector DIN 4162 style R (C-Pin) Dimensions
	DESIGN DIMENSION ☒ MM ☐ IN. EQUIVALENT DIMENSION ☐ MM ☐ IN.		APP'D BY FB	SIGN	 MOLEX EUROPE
IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DIMENSION DIMENSION, LOWER IS SECONDARY		SCALE 2:1	PART NO. SDA-85015-0001	DWG NO.	SHEET NO. DATE 1 OF 27 98/04/27
					SIZE B

