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Part Number: 0850010490
Status: Active
Overview: din_41612
Description: 2.54mm (.100") Pitch DIN 41612 B Style Male Header, PCT, Right Angle, Through Hole, 0.30µm (12µ") Selective Gold (Au) Plating, 64 Circuits, without Mounting Clips, No Flux Proof

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-85003-0001 (PDF)

EU RoHS	China RoHS
Compliance Status	
Not Reviewed	
REACH SVHC	
Not Reviewed	
Halogen-Free Status	
Not Reviewed	

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

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Backplane Connectors
Series	85001
Application	Backplane
Comments	No Mounting Clips. No Flux Proof. 3.0mm(.118") 2 First-Mate-Last- Break Contacts at Z.
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	B

Physical

Circuits (Loaded)	64
Circuits (maximum)	64
Circuits Detail	Contact Positions: A:a2-a31; B:b1-b32; Z:a1,a32
Color - Resin	Natural
Durability (mating cycles max)	400
First Mate / Last Break	Yes
Flammability	94V-0
Guide to Mating Part	No
Keying to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Columns	16
Number of Pairs	Open Pin Field
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.154 In
PC Tail Length (mm)	3.90 mm
PCB Locator	No
PCB Retention	Yes
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)	0.60
Plating min: Termination (µin)	98

Plating min: Termination (µm)	2.5
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
Voltage - Maximum	250V AC (RMS)

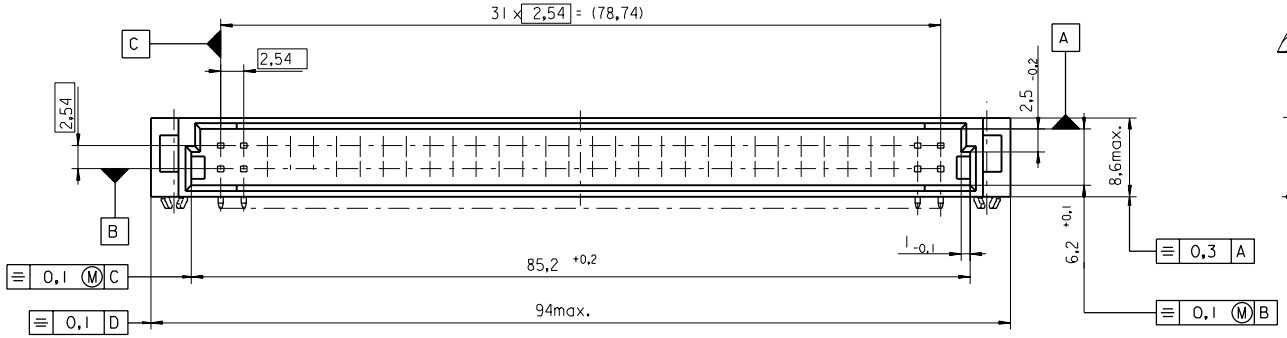
Material Info

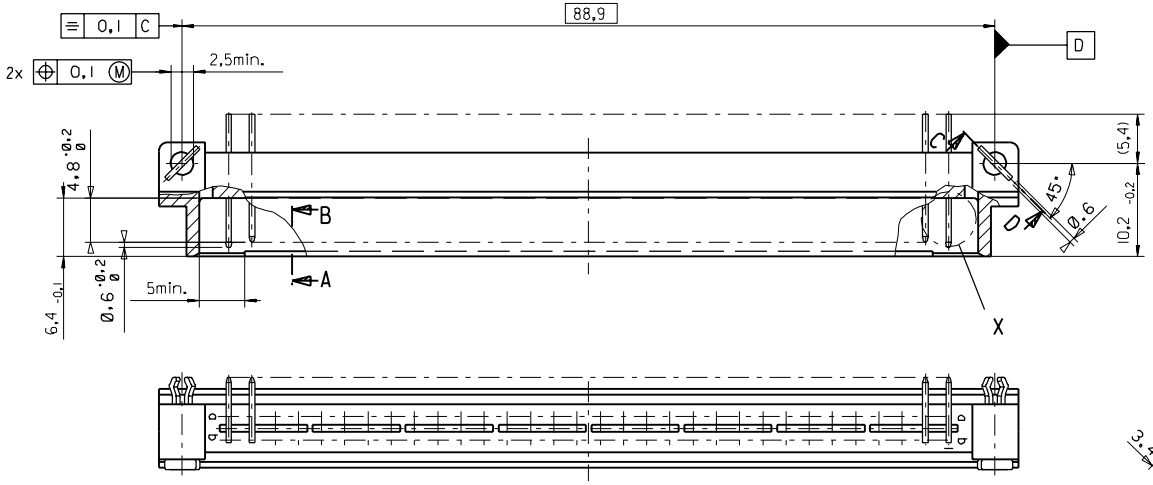
Reference - Drawing Numbers

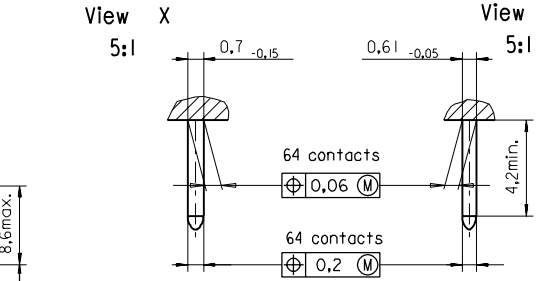
Packaging Specification	PK-36507-001
Product Specification	PS-85003-0001
Sales Drawing	SDA-85001-0001, SDA-85001-0490

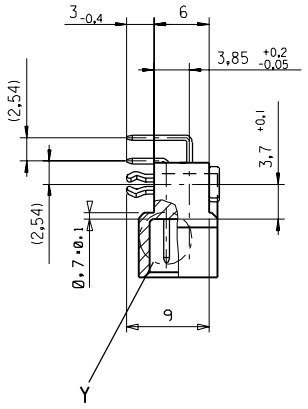
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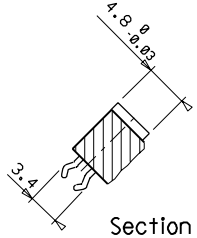
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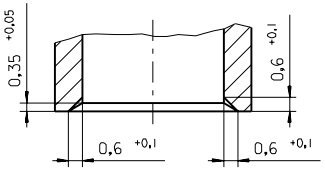






Section C - D

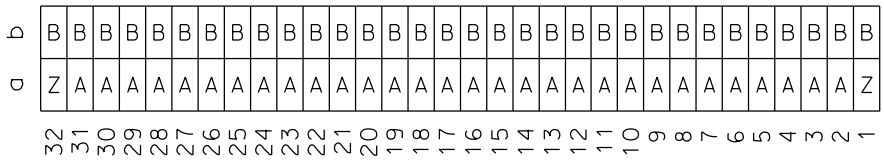
Section A - B
5:1



FIRST ANGLE PROJECTION				REVISE ONLY ON CAD SYSTEM	SH. REV.
first release see ECN No. 1887	REVISIONS	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2°	DRWG BY Ca	CADCAM PROJECT NAME 85001000 S11	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
		INCH / METRIC: 3 PLACE ± . / ±; 2 PLACE ± . / ±; 1 PLACE ± . / ±	CHK'D BY KN	TITLE: 64 pos. Male connector acc. DIN 41612 style B Dimensions	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	APP'D BY	molex MOLEX EUROPE	SHEET NO. 1 OF; DATE 95/06/06
		DESIGN DIMENSION ☒ MM ☐ IN.	SIGN	PART NO.	DWG NO. SDA-85001-0001; SIZE B
A	LTR FOR PREVIOUS REVISIONS SEE MRI LIST	EQUIVALENT DIMENSION ☐ MM ☐ IN.	SCALE 2:1		
		IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY			

7132-1283

View on termination side



A = 30 standard contacts L=3
B = 32 standard contacts L=3
Z = 2 FMLB contacts +0.6 L=3

S = 64 total number of contacts

Marking	Standard
Performance level	G2/0 = Contact area level2 / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85001-0001 sht.1
Technical Data	PS-85003-0001

Z	G2/0	a1,32
B	G2/0	b1-32
A	G2/0	a2-31
Contact symbol	Perform. level	Contact position number

LTR	REVISIONS	FOR PREVIOUS REVISIONS SEE MRI LIST
A	first release ECN No. MC2000-0209	

UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2°

	INCH	METRIC
3 PLACE	± .	±
2 PLACE	± .	±
1 PLACE	± .	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DESIGN DIMENSION ☒ MM ☐ IN.

EQUIVALENT DIMENSION ☐ MM ☐ IN.

IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY

DRWG BY	Ca	SIGN
CHK'D BY	Er	SIGN
APP'D BY	FB	SIGN
SCALE		

REVISE ONLY ON CAD SYSTEM | SH. | REV.

CADCAM PROJECT NAME

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TITLE

64 pos. Male connector acc. DIN 41612 style B contacts arrangement

MOLEX EUROPE

SHEET NO. 1 OF 1

DATE 99/12/07

PART NO. 85001-0490

DWG NO. SDA-85001-0490

SIZE A