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Part Number:

0365050008

Status:

Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612 B Style Female Receptacle, Vertical, Through Hole, 0.60µm (24µ") Selective Gold (Au) Plating, 64 Circuits, with Mounting Clips, Solder Tail Length 2.90mm (.114"), No Flux Proof, Lead Free

Documents:

[Drawing \(PDF\)](#)

[Product Specification PS-36500-001 \(PDF\)](#)

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

General	
Product Family	Backplane Connectors
Series	36505
Application	Daughtercard
Comments	With Mounting Clips. No Flux Proof
Component Type	PCB Receptacle
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	B

Physical	
Circuits (Loaded)	64
Circuits (maximum)	64
Circuits Detail	1,2,3,...32; a+c
Color - Resin	Natural
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	2
Orientation	Vertical
PC Tail Length (in)	0.114 In
PC Tail Length (mm)	2.90 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 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)	0.60
Plating min: Termination (µin)	200
Plating min: Termination (µm)	5.00
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	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.

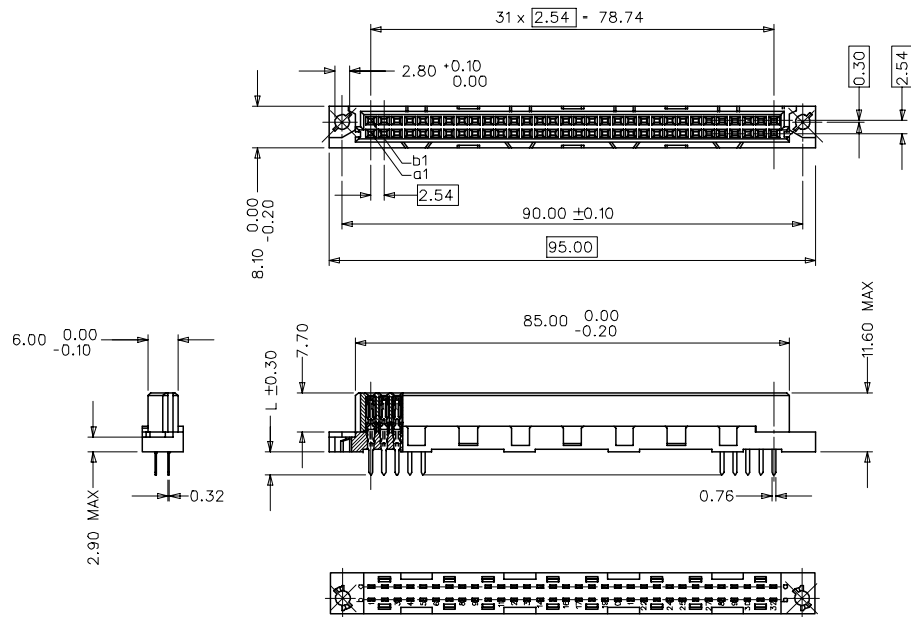
Search Parts in this Series

36505Series

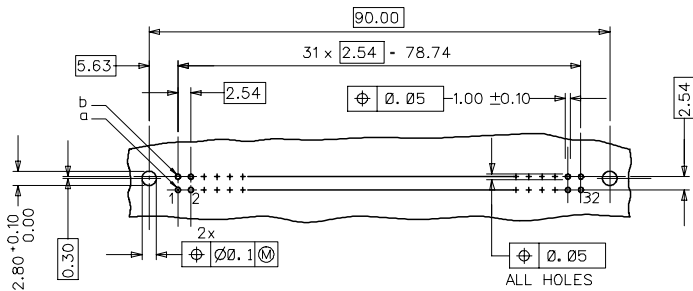
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-36505-001
Product Specification	PS-36500-001
Sales Drawing	SD-36505-0001

This document was generated on 05/13/2010

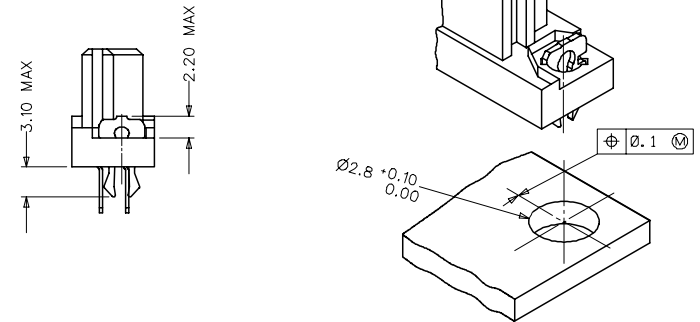
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RECOMMENDED PCB LAYOUT COMPONENT SIDE



WITH MOUNTING CLIPS



NOTES:

- 1) MATERIALS: THERMOPLASTIC POLYESTER, GLASS FILLED, UL94V-0. COLOUR: NATURAL
TERMINAL - PHOSPHOR BRONZE
MOUNTING CLIP: STEEL
- 2) FINISH: TERMINAL:-
CONTACT AREA
1. PERFORMANCE LEVEL 1: SELECTIVE GOLD (Au), THICKNESS = 1.1 MICROMETER
OVER NICKEL, THICKNESS = 1.8 MICROMETER
2. PERFORMANCE LEVEL 2: SELECTIVE GOLD (Au), THICKNESS = 0.6 MICROMETER
OVER NICKEL, THICKNESS = 1.8 MICROMETER
3. PERFORMANCE LEVEL 3: SELECTIVE GOLD (Au), THICKNESS = 0.3 MICROMETER
OVER NICKEL, THICKNESS = 1.8 MICROMETER
TERMINATION AREA:
SELECTIVE TIN, THICKNESS = 5 MICROMETER
OVER NICKEL, THICKNESS = 1.5 MICROMETER OVERALL
- 3) MOUNTING CLIP:-
TIN (Sn), THICKNESS = 5-10 MICROMETER,
OVER NICKEL (Ni), THICKNESS = 2.5 MICROMETER
- 4) FOR NON MOUNTING CLIP OPTION, CONNECTOR TO BE SECURED WITH
RIVETS: 2 TUBULAR RIVETS 2.5 x 0.3 ... DIN 7340
SCREWS: 2 CHEESEHEAD SCREWS M2.5 x DIN 84 AND 2 HEXAGONAL NUTS M2.5 DIN 934
- 5) MATERIAL NUMBER, BATCH CODE, UL AND CSA MARKING
TO BE PRINTED ON THE CONNECTOR
- 6) CUT FACE OF TIP WITHOUT PLATING PERMITTED

RoHS COMPLIANT

ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
DRAWN BY: 2007/0044		▽=0		mm		MM ONLY		2:1		METRIC		THIRD ANGLE PROJECTION	
CHECKED BY: 2006/10/10		▽=0		INCH		DATE		DATE		DATE		DATE	
APPROVED BY: 2006/10/10				4 PLACES ±		DRAWN BY: SSUDHIR		2005/12/13		2005/12/13		2005/12/13	
				3 PLACES ± 0.05		CHECKED BY: KPRASAD		2005/12/13		2005/12/13		2005/12/13	
				2 PLACES ± 0.1		APPROVED BY: KPRASAD		2005/12/13		2005/12/13		2005/12/13	
				1 PLACE ± 0.15		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		1 OF 2	
				ANGULAR ± 2°		SEE CHART		SD-36505-0001		1 OF 2		1 OF 2	
				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							

		19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
		MATERIAL No	MOLEX ENG No	PERF LEVEL	PLATING	CONTACT SEQUENCE/ROW	DIM "L" mm	MOUNTING CLIP	FLUX PROOF	PART STATUS										
M		36505-0001	MM-B2401-B640	1	Au+Ni	1.2.3....32 a+b	2.9	NO	NO	ACTIVE										
		36505-0002	MM-B2501-B640	2	Au+Ni	1.2.3....32 a+b	2.9	NO	NO	ACTIVE										
		36505-0003	MM-B2601-B640	3	Au+Ni	1.2.3....32 a+b	2.9	NO	NO	ACTIVE										
L		36505-0004	MM-B2101-B640	1	Au+Pd+Ni	1.2.3....32 a+b	2.9	NO	NO	VOID										
		36505-0005	MM-B2201-B640	2	Au+Pd+Ni	1.2.3....32 a+b	2.9	NO	NO	VOID										
		36505-0006	MM-B2301-B640	3	Au+Pd+Ni	1.2.3....32 a+b	2.9	NO	NO	VOID										
		36505-0007	MM-B2401-B610	1	Au+Ni	1.2.3....32 a+b	2.9	YES	NO	ACTIVE										
		36505-0008	MM-B2501-B610	2	Au+Ni	1.2.3....32 a+b	2.9	YES	NO	ACTIVE										
		36505-0009	MM-B2601-B610	3	Au+Ni	1.2.3....32 a+b	2.9	YES	NO	ACTIVE										
K		36505-0010	MM-B2101-B610	1	Au+Pd+Ni	1.2.3....32 a+b	2.9	YES	NO	VOID										
		36505-0011	MM-B2201-B610	2	Au+Pd+Ni	1.2.3....32 a+b	2.9	YES	NO	VOID										
		36505-0012	MM-B2301-B610	3	Au+Pd+Ni	1.2.3....32 a+b	2.9	YES	NO	VOID										
J		36505-0013	MM-B2401-B640-133	1	Au+Ni	1.2.3....32 a+b	2.9	NO	YES	ACTIVE										
		36505-0014	MM-B2501-B640-133	2	Au+Ni	1.2.3....32 a+b	2.9	NO	YES	ACTIVE										
		36505-0015	MM-B2601-B640-133	3	Au+Ni	1.2.3....32 a+b	2.9	NO	YES	ACTIVE										
		36505-0016	MM-B2101-B640-133	1	Au+Pd+Ni	1.2.3....32 a+b	2.9	NO	YES	VOID										
		36505-0017	MM-B2201-B640-133	2	Au+Pd+Ni	1.2.3....32 a+b	2.9	NO	YES	VOID										
		36505-0018	MM-B2301-B640-133	3	Au+Pd+Ni	1.2.3....32 a+b	2.9	NO	YES	VOID										
I		36505-0019	MM-B2401-B610-133	1	Au+Ni	1.2.3....32 a+b	2.9	YES	YES	ACTIVE										
		36505-0020	MM-B2501-B610-133	2	Au+Ni	1.2.3....32 a+b	2.9	YES	YES	ACTIVE										
		36505-0021	MM-B2601-B610-133	3	Au+Ni	1.2.3....32 a+b	2.9	YES	YES	ACTIVE										
H		36505-0022	MM-B2101-B610-133	1	Au+Pd+Ni	1.2.3....32 a+b	2.9	YES	YES	VOID										
		36505-0023	MM-B2201-B610-133	2	Au+Pd+Ni	1.2.3....32 a+b	2.9	YES	YES	VOID										
		36505-0024	MM-B2301-B610-133	3	Au+Pd+Ni	1.2.3....32 a+b	2.9	YES	YES	VOID										
		36505-0025	MM-B2402-B640	1	Au+Ni	1.2.3....32 a+b	4.5	NO	NO	ACTIVE										
		36505-0026	MM-B2502-B640	2	Au+Ni	1.2.3....32 a+b	4.5	NO	NO	ACTIVE										
		36505-0027	MM-B2602-B640	3	Au+Ni	1.2.3....32 a+b	4.5	NO	NO	ACTIVE										
G		36505-0028	MM-B2102-B640	1	Au+Pd+Ni	1.2.3....32 a+b	4.5	NO	NO	VOID										
		36505-0029	MM-B2202-B640	2	Au+Pd+Ni	1.2.3....32 a+b	4.5	NO	NO	VOID										
		36505-0030	MM-B2302-B640	3	Au+Pd+Ni	1.2.3....32 a+b	4.5	NO	NO	VOID										
F		36505-0031	MM-B2402-B610	1	Au+Ni	1.2.3....32 a+b	4.5	YES	NO	ACTIVE										
		36505-0032	MM-B2502-B610	2	Au+Ni	1.2.3....32 a+b	4.5	YES	NO	ACTIVE										
		36505-0033	MM-B2602-B610	3	Au+Ni	1.2.3....32 a+b	4.5	YES	NO	ACTIVE										
		36505-0034	MM-B2102-B610	1	Au+Pd+Ni	1.2.3....32 a+b	4.5	YES	NO	VOID										
		36505-0035	MM-B2202-B610	2	Au+Pd+Ni	1.2.3....32 a+b	4.5	YES	NO	VOID										
		36505-0036	MM-B2302-B610	3	Au+Pd+Ni	1.2.3....32 a+b	4.5	YES	NO	VOID										
E		36505-0037	MM-B2402-B640-133	1	Au+Ni	1.2.3....32 a+b	4.5	NO	YES	ACTIVE										
		36505-0038	MM-B2502-B640-133	2	Au+Ni	1.2.3....32 a+b	4.5	NO	YES	ACTIVE										
		36505-0039	MM-B2602-B640-133	3	Au+Ni	1.2.3....32 a+b	4.5	NO	YES	ACTIVE										
O		36505-0040	MM-B2102-B640-133	1	Au+Pd+Ni	1.2.3....32 a+b	4.5	NO	YES	VOID										
		36505-0041	MM-B2202-B640-133	2	Au+Pd+Ni	1.2.3....32 a+b	4.5	NO	YES	VOID										
		36505-0042	MM-B2302-B640-133	3	Au+Pd+Ni	1.2.3....32 a+b	4.5	NO	YES	VOID										
C		36505-0043	MM-B2402-B610-133	1	Au+Ni	1.2.3....32 a+b	4.5	YES	YES	ACTIVE										
		36505-0044	MM-B2502-B610-133	2	Au+Ni	1.2.3....32 a+b	4.5	YES	YES	ACTIVE										
		36505-0045	MM-B2602-B610-133	3	Au+Ni	1.2.3....32 a+b	4.5	YES	YES	ACTIVE										
		36505-0046	MM-B2102-B610-133	1	Au+Pd+Ni	1.2.3....32 a+b	4.5	YES	YES	VOID										
		36505-0047	MM-B2202-B610-133	2	Au+Pd+Ni	1.2.3....32 a+b	4.5	YES	YES	VOID										
		36505-0048	MM-B2302-B610-133	3	Au+Pd+Ni	1.2.3....32 a+b	4.5	YES	YES	VOID										
B																				
A																				
ENTER DESCRIPTION EC NO: 12007-0044 DRWNSATTHARAD 2006/10/10 CHKD:SSUDHIR 2006/10/11 APPR:SSUDHIR 2006/10/18		QUALITY SYMBOLS ▽=0 ▽=0		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION		TITLE ASSEMBLY DIN 41612 64POS B FEMALE		DOCUMENT NO. SD-36505-0001		SHEET NO. 2 OF 2		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SEE CHART														
ib, frame, A1, P, ME, T Rev. D 2004/04/02		19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1