

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0365000129

Status:

Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612 C Style Female Receptacle, Vertical, Through Hole, 0.30µm (12µ") Selective Gold (Au) Plating, 64 Circuits, with Mounting Clips, Solder Tail Length 4.50mm (.177"), 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	36500
Application	Daughtercard
Comments	Secured with Mounting Clips. No Flux Proof
Component Type	PCB Receptacle
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	C
Physical	
Circuits (Loaded)	64
Circuits (maximum)	64
Circuits Detail	1,2,3,...32; a+c
Color - Resin	Gray
Durability (mating cycles max)	50
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)	0.177 In
PC Tail Length (mm)	4.50 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)	12
Plating min: Mating (µm)	0.30
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.

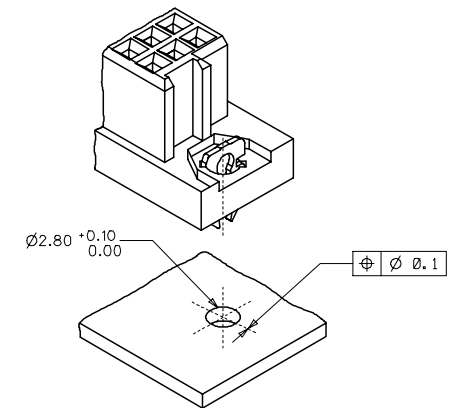
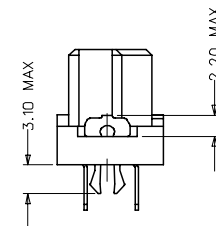
Search Parts in this Series

36500Series

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-36500-001
Product Specification	PS-36500-001
Sales Drawing	SD-36500-003

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NOTES:

- 1) MATERIALS: THERMOPLASTIC POLYESTER, GLASS FILLED,
UL94V-0. COLOUR: PEBBLE GREY RAL 7032
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 = 1.5 MICROMETER
2. PERFORMANCE LEVEL 2: SELECTIVE GOLD (Au), THICKNESS = 0.6 MICROMETER
OVER NICKEL, THICKNESS = 1.5 MICROMETER
3. PERFORMANCE LEVEL 3: SELECTIVE GOLD (Au), THICKNESS = 0.3 MICROMETER
OVER NICKEL, THICKNESS = 1.5 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 No, BATCH CODE, UL AND CSA MARKING TO BE PRINTED ON THE CONNECTOR.
- 6) CUT FACES OF TIP WITHOUT PLATING PERMITTED.
- 7) PRODUCT SPECIFICATION PS:36500-001

RoHS COMPLIANT

ENTER DESCRIPTION EC NO: 12007-0044 DPMWKSATTI MARQD 2006/10/10 CHPDS:SSDUIR 2006/10/11 APPR:SSDUIR 2006/10/11		QUALITY SYMBOLS ▼=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><thead><tr><th></th><th>mm</th><th>INCH</th></tr></thead><tbody><tr><td>4 PLACES +</td><td>---</td><td>---</td></tr><tr><td>3 PLACES +</td><td>0.05</td><td>---</td></tr><tr><td>2 PLACES +</td><td>0.1</td><td>---</td></tr><tr><td>1 PLACE +</td><td>0.15</td><td>---</td></tr><tr><td colspan="3">ANGULAR ± 2°</td></tr></tbody></table>		mm	INCH	4 PLACES +	---	---	3 PLACES +	0.05	---	2 PLACES +	0.1	---	1 PLACE +	0.15	---	ANGULAR ± 2°			DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
	mm	INCH																							
4 PLACES +	---	---																							
3 PLACES +	0.05	---																							
2 PLACES +	0.1	---																							
1 PLACE +	0.15	---																							
ANGULAR ± 2°																									
			DRAWN BY SHANKAR 2006/03/29 CHECKED BY SSDUIR 2006/03/29 APPROVED BY SSDUIR 2006/03/29	TITLE ASSEMBLY DIN 41612 64POS C FEMALE A+C LOADED 1.0MM PCB DIA																					
				 MOLEX INCORPORATED																					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE SHEET 2	DOCUMENT NO. SD-36500-003	SHEET NO. 1 OF 2																				
			SIZE A1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
M	MATERIAL No	MOLEX ENG No	PERF LEVEL	PLATING	CONTACT SEQUENCE/ROW	DIM "L" mm	MOUNTING CLIP	FLUX PROOF													
	36500-0097	MM-B2401-C963	1	Au+Ni	1.2.3....32 a+c	2.9	NO	NO													
	36500-0098	MM-B2501-C963	2	Au+Ni	1.2.3....32 a+c	2.9	NO	NO													
	36500-0099	MM-B2601-C963	3	Au+Ni	1.2.3....32 a+c	2.9	NO	NO													
L	36500-0103	MM-B2401-C913	1	Au+Ni	1.2.3....32 a+c	2.9	YES	NO													
	36500-0104	MM-B2501-C913	2	Au+Ni	1.2.3....32 a+c	2.9	YES	NO													
	36500-0105	MM-B2601-C913	3	Au+Ni	1.2.3....32 a+c	2.9	YES	NO													
	36500-0109	MM-B2401-C963-133	1	Au+Ni	1.2.3....32 a+c	2.9	NO	YES													
	36500-0110	MM-B2501-C963-133	2	Au+Ni	1.2.3....32 a+c	2.9	NO	YES													
K	36500-0111	MM-B2601-C963-133	3	Au+Ni	1.2.3....32 a+c	2.9	NO	YES													
	36500-0115	MM-B2401-C913-133	1	Au+Ni	1.2.3....32 a+c	2.9	YES	YES													
	36500-0116	MM-B2501-C913-133	2	Au+Ni	1.2.3....32 a+c	2.9	YES	YES													
	36500-0117	MM-B2601-C913-133	3	Au+Ni	1.2.3....32 a+c	2.9	YES	YES													
J	36500-0121	MM-B2402-C963	1	Au+Ni	1.2.3....32 a+c	4.5	NO	NO													
	36500-0122	MM-B2502-C963	2	Au+Ni	1.2.3....32 a+c	4.5	NO	NO													
	36500-0123	MM-B2602-C963	3	Au+Ni	1.2.3....32 a+c	4.5	NO	NO													
	36500-0127	MM-B2402-C913	1	Au+Ni	1.2.3....32 a+c	4.5	YES	NO													
	36500-0128	MM-B2502-C913	2	Au+Ni	1.2.3....32 a+c	4.5	YES	NO													
I	36500-0129	MM-B2602-C913	3	Au+Ni	1.2.3....32 a+c	4.5	YES	NO													
	36500-0133	MM-B2402-C963-133	1	Au+Ni	1.2.3....32 a+c	4.5	NO	YES													
	36500-0134	MM-B2502-C963-133	2	Au+Ni	1.2.3....32 a+c	4.5	NO	YES													
	36500-0135	MM-B2602-C963-133	3	Au+Ni	1.2.3....32 a+c	4.5	NO	YES													
H	36500-0139	MM-B2402-C913-133	1	Au+Ni	1.2.3....32 a+c	4.5	YES	YES													
	36500-0140	MM-B2502-C913-133	2	Au+Ni	1.2.3....32 a+c	4.5	YES	YES													
	36500-0141	MM-B2602-C913-133	3	Au+Ni	1.2.3....32 a+c	4.5	YES	YES													
G																					
F																					
E																					
D																					
C																					
B																					
A																					
	lb_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	

RoHS COMPLIANT

ENTER DESCRIPTION LC NO: 1207-0044 DRAWN BY SHANKAR 2006/10/10 CHECKED BY CHIKOSSUDHIR 2006/10/11 APPROVED BY SSUDHIR 2006/10/16	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	mm INCH	DRAWN BY SHANKAR DATE 2006/03/29	TITLE	ASSEMBLY DIN 41612 64POS C FEMALE A+C LOADED 1.0MM PCB DIA	
	▽=0	4 PLACES ± ± ± ± 3 PLACES ± ± ± ± 2 PLACES ± ± ± ± 1 PLACE ± ± ± ±	CHECKED BY SSUDHIR DATE 2006/03/29	APPROVED BY SSUDHIR DATE 2006/03/29	MOLEX MOLEX INCORPORATED	
		ANGULAR ± ± ± ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART	SD-36500-003	SHEET NO. 2 OF 2

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