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Part Number: **0643221029**

Status: **Active**

Overview: cmc_connectors

Description: 0.635mm (.025") CMC CP Female Terminal, Tin Plated, for Square 0.6mm x 0.6mm Pins, Wire Size 0.75mm²

Series image - Reference only

Documents:
3D Model	Product Specification PS-64319-001 (PDF)
Drawing (PDF)	Product Specification PS-64321-001 (PDF)
Product Specification PS-64318-001 (PDF)	RoHS Certificate of Compliance (PDF)
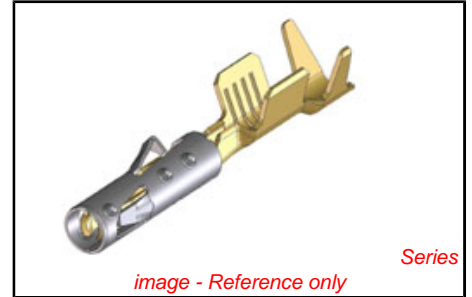
General
Product Family	Crimp Terminals
Series	64322
Comments	* Current tested on a 5 terminals loaded connector, current for temperature increase of 40°C. Curent max = 6.0A for 0.635mm Terminal(0.75mm² wire)
Crimp Quality Equipment	Yes
Overview	cmc_connectors
Product Name	CMC, CP Terminal

Physical
Durability (mating cycles max)	20
Gender	Female
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Packaging Type	Reel
Plating min: Mating (µm)	1.5, 3
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	1.60mm-1.90mm
Wire Size AWG	N/A
Wire Size mm²	0.75

Electrical
Current - Maximum per Contact	6A
Voltage - Maximum	250V AC

Material Info

Reference - Drawing Numbers
Application Specification	AS-64321-001, AS-98993-011
Packaging Specification	PK-98913-001
Product Specification	PS-64318-001, PS-64319-001, PS-64321-001
Sales Drawing	SD-64322-001

EU RoHS | **China RoHS**

ELV and RoHS Compliant

REACH SVHC Not Reviewed

Halogen-Free Status

Halogen-Free

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
64322Series

Mates With
CMC Connector 64318 , 64319 , 64320 , 64321

Use With
CMC Connector 64318 , 64319 , 64320 , 64321

Application Tooling | **FAQ**
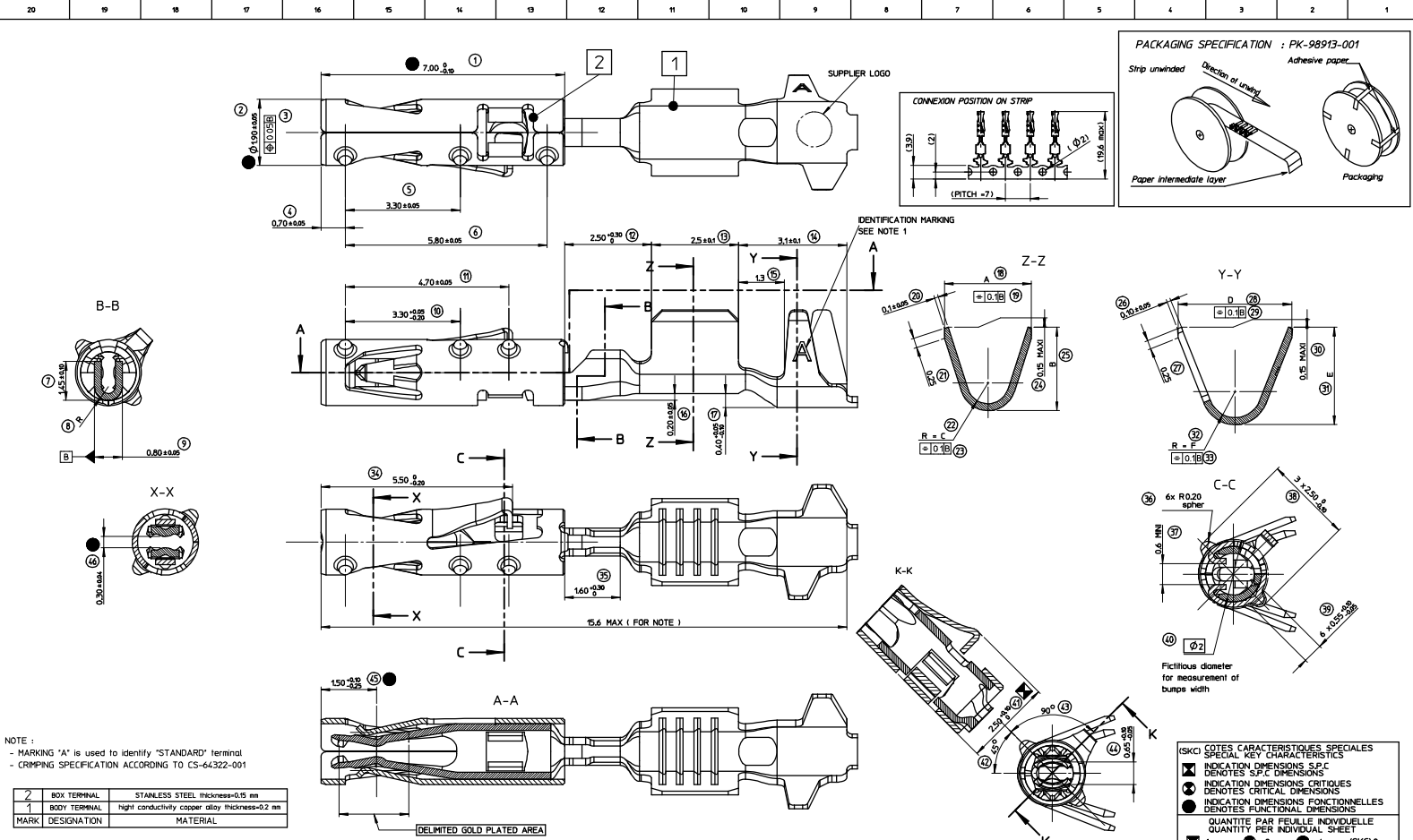*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*
Global

Description	Product #
FineAdjust™ Applicator	0638689100
Extraction Tool	0638132400
HAND CRIMP TOOL	0638119200

This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

PACKAGING SPECIFICATION : PK-98913-001

Strip unwinded   Direction of unwind   Adhesive paper

Paper intermediate layer   Packaging

SUPPLIER LOGO

CONNEXION POSITION ON STRIP

(3,9)
(2)
(PITCH =7)
Ø2
(19,6 max)

7.00 0 -0.10   ①
② Ø1.90±0.05 ③
⌖ 0.05 B
④ 0.70±0.05
⑤ 3.30±0.05
⑥ 5.80±0.05

IDENTIFICATION MARKING
SEE NOTE 1

2.50 +0.30 0 ⑫
2.5±0.1 ⑬
3.1±0.1 ⑭
Y ⑮
1.3

B-B
⑦ 1.45±0.10
⑧ R
⑨ 0.80±0.05
B

4.70±0.05 ⑪
3.30 +0.05 -0.20 ⑩
A
A
B
B
Z
Z
0.21±0.05 ⑯
0.40 +0.05 -0.10 ⑰
Y

Z-Z
A ⑱ ⌖ 0.1 B ⑲
0.1±0.05 ⑳
25° ㉑
R = B ⌖ 0.1 B ㉓
㉒
0.15 MAXI ㉕
㉔

Y-Y
D ㉘ 0.1 B ㉙
㉖ 0.10±0.05
㉗ 0.5
0.15 MAXI
E ㉛
㉚
R = F ⌖ 0.1 B ㉝
㉜

X-X
⑪ 0.30±0.04

C-C
3 x 2.50 0 -0.8 ㊳
㊱ 6x R0.20 spher
㊲ 0.6 MINI
㊴ Ø2
6 x0.55 +0.05 -0.05 ㊴

5.50 0 -0.20 ㉞
X
X
C
C
1.60 +0.30 0 ㉟
15.6 MAX (FOR NOTE)

1.50 +0.10 -0.25 ㊺
A-A

DELIMITED GOLD PLATED AREA

Fictitious diameter
for measurement of
bumps width

K-K
K
90° ㊸
2.50 +0.05 0 ㊼
15° ㊻
㊷
0.65 +0.05 -0.05 ㊹
K

NOTE :
- MARKING "A" is used to identify "STANDARD" terminal.
- CRIMPING SPECIFICATION ACCORDING TO CS-64322-001

		MATERIAL
2	BOX TERMINAL	STAINLESS STEEL thickness=0.15 mm
1	BODY TERMINAL	hight conductivity copper alloy thickness=0.2 mm
MARK	DESIGNATION	MATERIAL

(SKC) COTES CARACTERISTIQUES SPECIALES
SPECIAL KEY CHARACTERISTICS
⊠ INDICATION DIMENSIONS S.P.C.
DENOTES S.P.C DIMENSIONS
◑ INDICATION DIMENSIONS CRITIQUES
DENOTES CRITICAL DIMENSIONS
● INDICATION DIMENSIONS FONCTIONNELLES
DENOTES FUNCTIONAL DIMENSIONS
QUANTITE PAR FEUILLE INDIVIDUELLE
QUANTITY PER INDIVIDUAL SHEET
⊠ 1   ◑ 0   ● 4   (SKC) 0

PART NUMBER	CONTACT AREA	CRIMPING AREA	UNDERLAYER	CRIMPING RANGE (mm2)	A±0.2	B±0.2	rC +0.15 -0.1	D±0.2	E±0.2	rF±0.1	WEIGHT (g)
		PLATING									
0643221029	Sn	Sn		0.75	2.5	2.4	0.6	3.3	2.8	0.75	0.119
0643221219	Au 1.27μ MINI	Sn	Ni								
0643221039	Sn	Sn		0.50	2.3	2.2	0.6	3.1	2.6	0.75	0.117
0643221239	Au 1.27μ MINI	Sn	Ni								
0643221019	Sn	Sn		0.22 TO 0.44	2.0	1.7	0.6	3.1	2.6	0.75	0.112
0643221229	Au 1.27μ MINI	Sn	Ni								

Revised Dwg
EC. NO. G2008-0440   2008/05/19
DRWN:J.JAILOU   2008/05/19
CHKD:F.PAROLARI   2008/05/19
APPR:L.STICKEIR   2008/05/19
REV   DESCRIPTION   C

GENERAL TOLERANCES
(UNLESS SPECIFIED)
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.1	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY   DATE
F.PAROLARI   2007/09/17
CHECKED BY   DATE
J.DUCLOS   2007/09/17
APPROVED BY   DATE
L.STICKEIR   2007/09/17

SCALE 20:1
DESIGN UNITS METRIC
FIRST ANGLE PROJECTION

TITLE
CP RCPT TRM 0.6

molex   MOLEX INCORPORATED

MATERIAL NO.
SEE CHART

DOCUMENT NO.
SD-64322-001

SHEET NO.
1 OF 1

SIZE A1   THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
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