

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0643202319](#)
Status: **Active**
Overview: [cmc_connectors](#)
Description: .635mm (.025"), 1.50mm (.059"), CMC Receptacle, 36 Circuits, Left Wire Output, Brown Coding, Mat Sealed, Row 1 Closed

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

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

General

Product Family	Crimp Housings
Series	64320
Comments	* Current tested on a 5 terminals loaded connector, current for temperature increase of 40°C . Current max = 6.0A for 0.635mm Terminal (0.75mm² wire) and 12.0A for 1.5mm Terminal (2.0mm² wire) *
More Detailed Tech Information	Sealed, high-density, modular connecting system for Power Train and Body Electronics applications in cars, trucks, busses
Overview	cmc_connectors
Product Name	CMC

Physical

Circuits (maximum)	36
Circuits Detail	6 x 1.5mm, 30 x 0.635mm terminals
Color - Resin	Brown
Gender	Female
Glow-Wire Compliant	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Resin	Polyester
Number of Rows	3
Packaging Type	Carton
Panel Mount	No
Pitch - Mating Interface (in)	0.100 In, 0.146 In
Pitch - Mating Interface (mm)	2.54 mm, 3.70 mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-40°C to +125°C

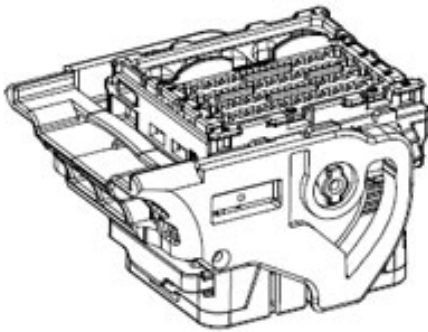
Electrical

Current - Maximum per Contact	12A, 6A
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Material Info

Reference - Drawing Numbers

Packaging Specification	PK-64320-001
Sales Drawing	SD-64320-003



Series

image - Reference only

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](#)

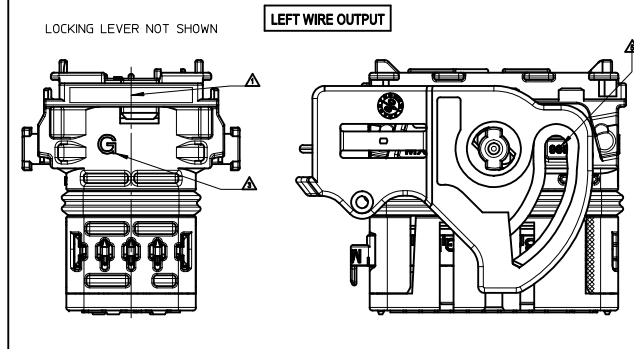
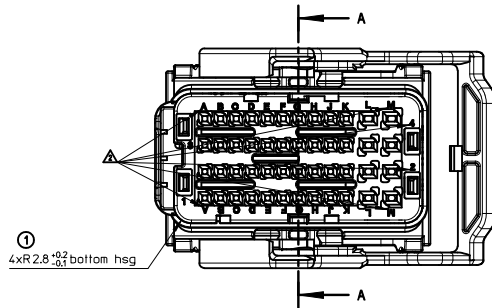
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[64320Series](#)

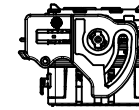
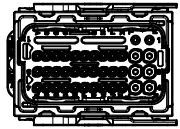
Mates With
[36638](#) CMC Header

Use With
CMC CP Female Terminal [64322](#) , [64323](#).
Circuit Way Plugs [643251010](#) , [643251023](#).
CMC Wire Cap [643201301](#). CMC 48 Circuit Header [36638](#)

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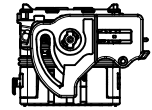


LINE N°1 CLOSED
YELLOW BACK GRID VERSION



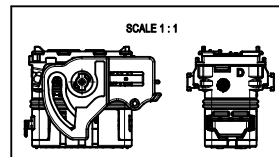
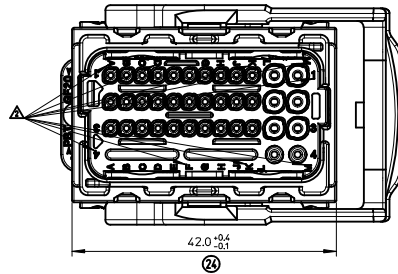
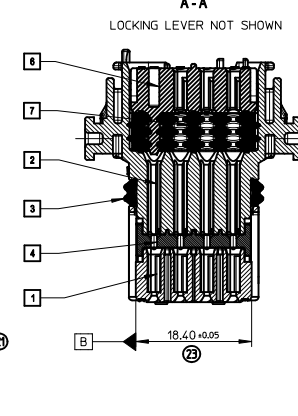
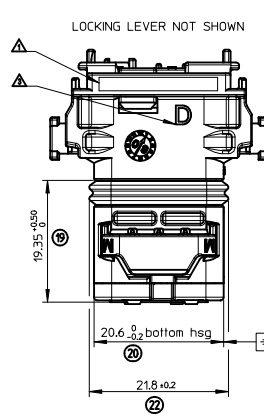
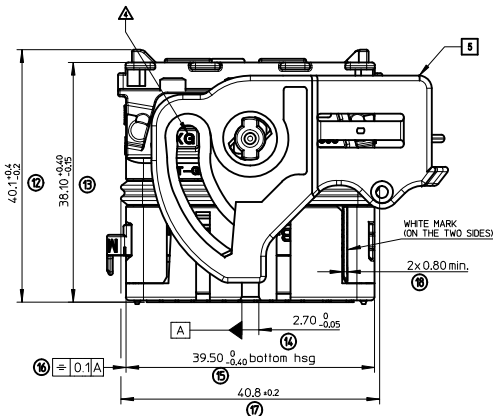
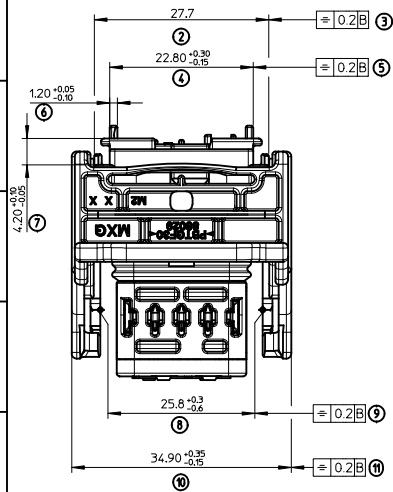
LEFT WIRE OUTPUT

MATERIAL NUMBER	COLOR
0643202311	BLACK
0643202319	BROWN



RIGHT WIRE OUTPUT

MATERIAL NUMBER	COLOR
0643204311	BLACK
0643204319	BROWN



NOTES:

- 1-FOR ILLUSTRATION PURPOSE THE FEMALE HOUSING SHOWN IS: THE RIGHT WIRE OUTPUT VERSION CODING 1
- 2-APPLICATION SPECIFICATION: AS-64319-001
- 3-WIRES EXTERNAL DIAMETER USED:
FOR CP0.6 TERMINAL: USED WIRES WITH AN EXTERNAL DIAMETER BETWEEN Ø1.25MM MIN AND Ø1.90MM MAX
FOR CP1.5 TERMINAL: USED WIRES WITH AN EXTERNAL DIAMETER BETWEEN Ø1.40MM MIN AND Ø2.80MM MAX
- 4-THE CONNECTOR FITS WITH WIRE CAP (48 WAY) MOLEX P/N 0643201301
- 5-BLIND PLUG FOR 0.6 AND 1.5 CAVITIES (MOLEX P/N 0643251010 AND 0643251023) MUST BE USED ON THIS PART.
- 6-DELIVERED PRODUCT WEIGHT: 33.8 g

POS.	DESIGNATION	MATERIAL	COLOR
7	MAT SEAL	SILICON	BLUE
8	BACK GRID 36W	>PBT-GF20<	YELLOW
9	LOCKING LEVER 48W	>PBT-GF30<	BLACK
4	SECONDARY LOCK	>PBT-GF20<	GREY
3	PERIPHERAL SEAL 48W	SILICON	RED
2	BACK PART	>PBT-GF20<	BLACK
1	FRONT PART	>PBT-GF20<	BLACK

MARKINGS :

- ▲ - Assembled part traceability:
Day + Year
- ▲ - Terminal cavities identification
- ▲ - Lever position indicator:
'D' LETTER VISIBLE = Part with 'LEVER ON THE RIGHT'
'G' LETTER VISIBLE = Part with 'LEVER ON THE LEFT'
- ▲ - Supplier identification
- ▲ - Material identification

UPDATED DRAWING

EC NO: 2009/06/03
CHOC. BOUCHAN
APPR:

REV

DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm INCH

4 PLACES ± --- ± ---

3 PLACES ± --- ± ---

2 PLACES ± 0.1 ± ---

1 PLACE ± 0.1 ± ---

ANGULAR ± 2 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY

T. BADAROUX

CHECKED BY

P. GRANDCLAUD

APPROVED BY

C. BOUCHAN

DATE

2008/05/23

DATE

2008/05/23

MATERIAL NO.

DOCUMENT NO.

SCALE

2.5:1

DESIGN UNITS

METRIC

FIRST ANGLE PROJECTION

CMC CONNECTOR 36 WAY

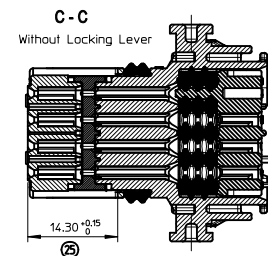
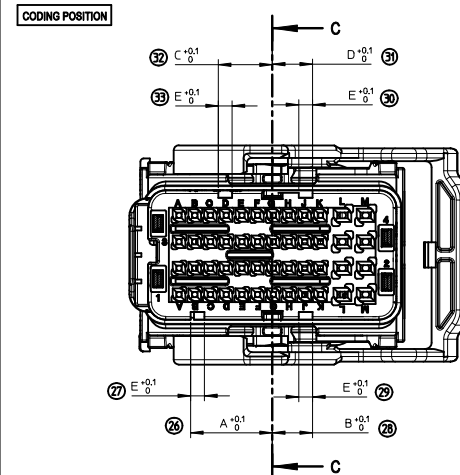
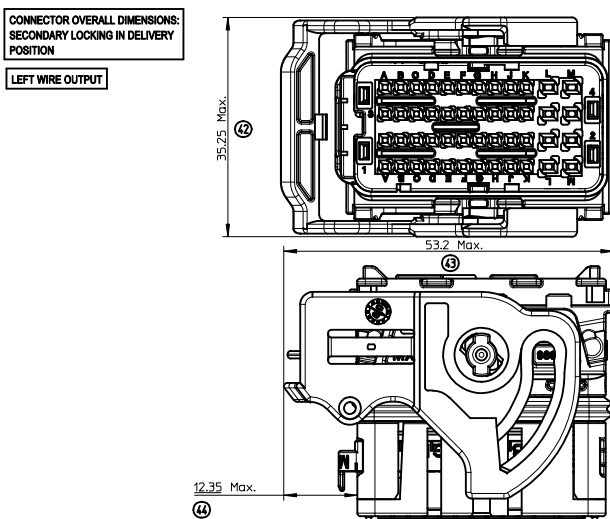
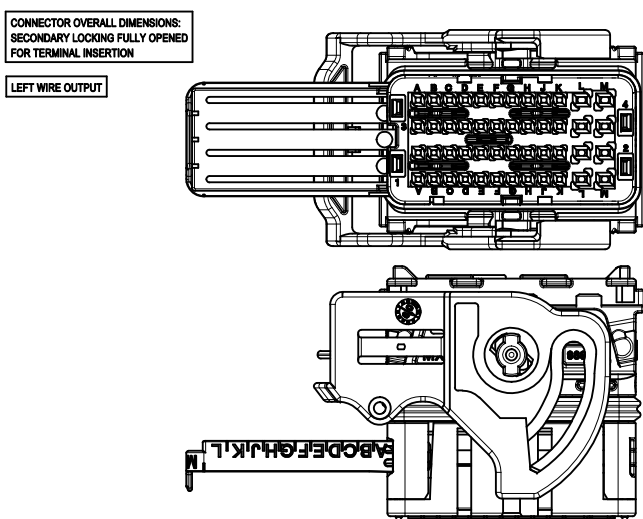
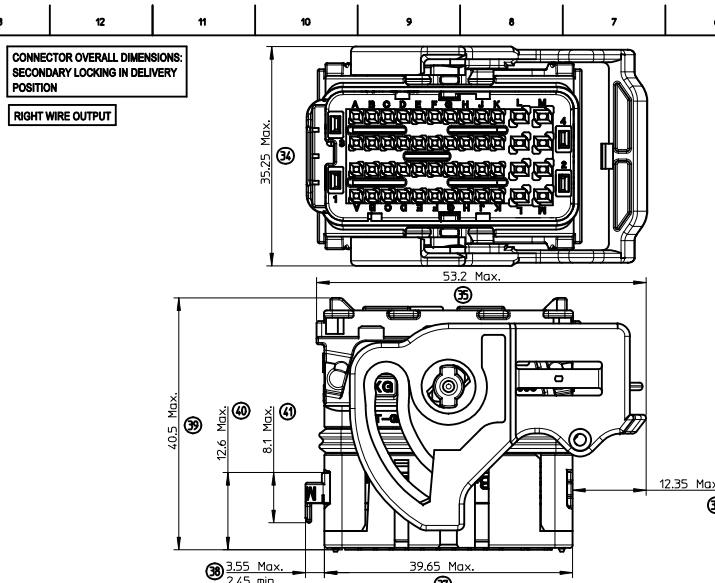
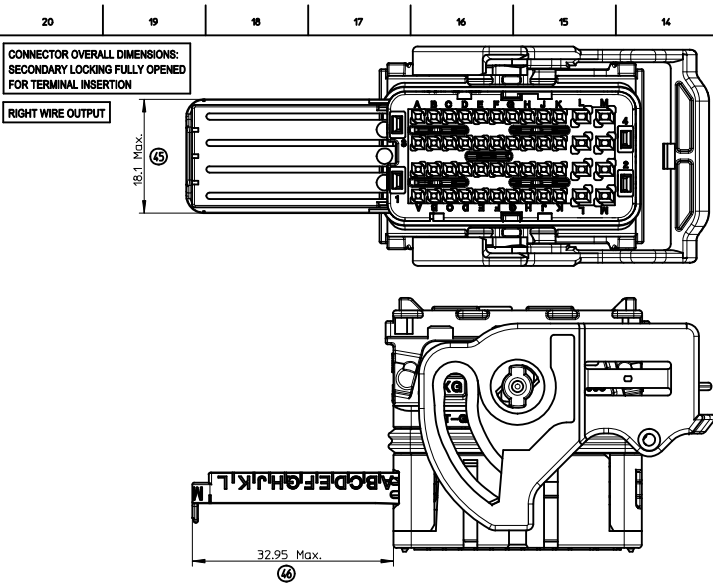
MAT SEAL VERSION

MOLEX INCORPORATED

SD-64320-003

1 OF 2

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COLOR	KEYING	A	B	C	D	E
BLACK	1	13	6.4	8.6	6.4	2.2
GREY	2	10.8	8.6	13	8.6	2.2
BROWN	3	8.6	10.8	13	13	2.2
GREEN	4	10.8	13	6.4	6.4	2.2

TERMINALS USED				
CAVITY N°	FEMALE TERMINALS (Section mm2)	PLATING	MOLEX PIN°	min / MAX WIRE INSULATION DIAMETER (mm)
A1 to K1 A2 to K2 A3 to K3 A4 to K4	CP 0.6 0.35mm2	Tin plated	0643221019	Ø1.25 min / Ø1.40 Max
		Gold plated	0643221229	
	CP 0.6 0.5mm2	Tin plated	0643221039	Ø1.40 min / Ø1.70 Max
		Gold plated	0643221239	
L1 to L4 M1 to M4	CP 0.6 0.75mm2	Tin plated	0643221029	Ø1.60 min / Ø1.90 Max
		Gold plated	0643221219	
	CP 15 0.5mm2 to 1mm2	Tin plated	0643231029	Ø1.40 min / Ø2.15 Max
		Gold plated	0643231319	
	CP 15 >1mm2 to 2mm2	Tin plated	0643231039	Ø2.10 min / Ø2.80 Max
		Gold plated	0643231219	

UPDATED DRAWING
EC NO: 03
DRAWING: 06/03
CHKDC: BOUCHAN
APPR: [REDACTED]

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± 0.1	± 0.004
3 PLACES	± 0.1	± 0.004
2 PLACES	± 0.1	± 0.004
1 PLACE	± 0.1	± 0.004

ANGULAR ± 2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY: T. BADAROUX
CHECKED BY: [REDACTED]
APPROVED BY: C. BOUCHAN
DATE: 2008/05/23

SCALE: 2.5:1

DESIGN UNITS: METRIC

FIRST ANGLE PROJECTION

TITLE: CMC CONNECTOR 36 WAY
MAT SEAL VERSION

MATERIAL NO. [REDACTED]
DOCUMENT NO. [REDACTED]

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SD-64320-003

2 OF 2

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