产品编号 ： 643201315

Product Description ： .635mm, 1.50mm, CMC Receptacle, 48 Circuits, Left Wire Output, Green Coding, Mat Sealed

系列号 ： 64320

状态 ： Active

Product Category ： Connector Housings

文件和资源

图纸

图纸　643201315_sd.pdf

3D 模型和设计文件

3D模型　643201315_stp.zip

规格

应用规格　AS-64319-002-001.pdf
应用规格　AS-64319-002-CH-001.pdf
应用规格　AS-64319-002-FR-001.pdf
应用规格　AS-64319-002-SP-001.pdf
应用规格　AS-98420-002-001.pdf
应用规格　AS-98420-002-CH-001.pdf
应用规格　AS-98420-002-FR-001.pdf
应用规格　AS-98420-002-SP-001.pdf
包装规格　PK-64320-001-001.pdf

产物环境合规

合规

GADSL/IMDS	Compliant
China RoHS	Not Relevant
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Not Relevant
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

多部分产品合规性声明

- Eu RoHS
- REACH SVHC
- Low-Halogen

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

欧盟 RoHS 合格证书

产品详情

常规

状态	活动
类别	Connector Housings
系列	64320
说明	.635mm, 1.50mm, CMC Receptacle, 48 Circuits, Left Wire Output, Green Coding, Mat Sealed
应用	Automotive, Power, Wire-to-Board
个评论	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 1.50mm Terminal (2.00mm² wire)
更详细的技术信息	Sealed, high-density, modular connecting system for Power Train and Body Electronics applications in cars, trucks, busses
产品系列	CMC and CMX Sealed, Hybrid, Modular Connectors
产品名称	CMC
UPC	883906129798

物理

电路详图	8 x 1.5mm & 40 x 0.635mm terminals
电路数（最多）	48
颜色-树脂	绿色
性别	Receptacle
符合灼热丝规范	否
插接极性	是

锁定插接部位	是
材料 - 树脂	Polyester
净重	35.700/g
行数	4
包装形式	Carton
面板安装式	否
间距 - 插配接口	2.54mm, 3.70mm
有极性的插配件	是
可堆叠的	否
运行温度范围	-40° to +125° C

进程

无铅	不适用

可配插/可连接使用的产品

可配插部件

描述	产品编号
配插使用	Please contact Molex for details

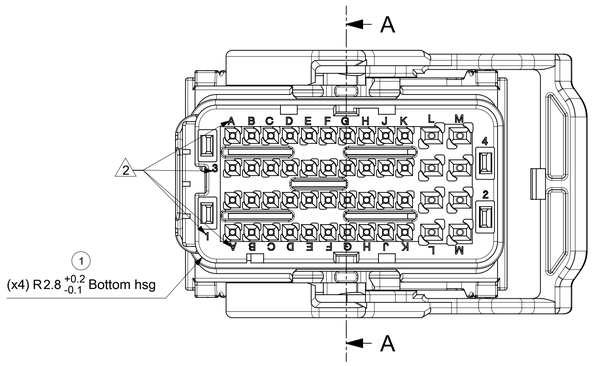
可连接使用部件

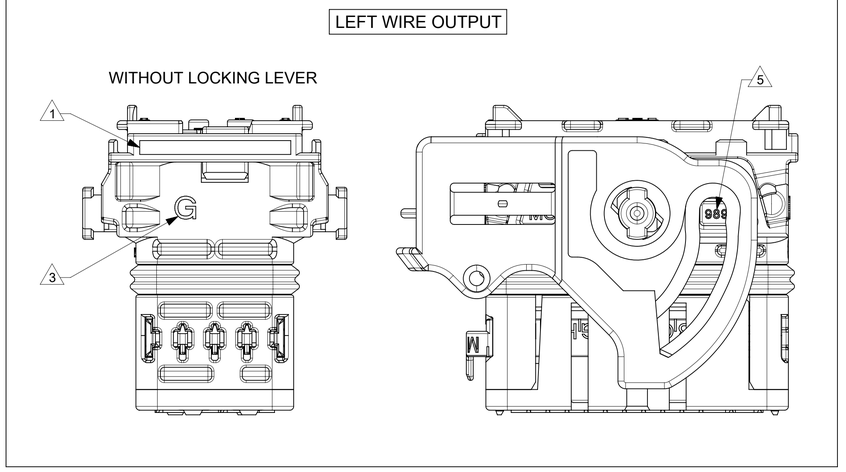
描述	产品编号
Wire Cap for Mat Sealed CMC Receptacle, 28 Circuits and 48 Circuits	/content/molex/molex-dot-com/cn/zh/products/product-page.html/643201301.html
CMC 0.635mm Blind Cavity Plug	/content/molex/molex-dot-com/cn/zh/products/product-page.html/643251010.html
CMC 1.50mm Blind Cavity Plug	/content/molex/molex-dot-com/cn/zh/products/product-page.html/643251023.html
0.635mm CMC CP Female Terminals	64322
1.50mm CMC CP Female Terminals	64323

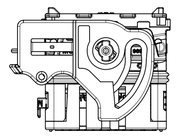
施工工具

全局

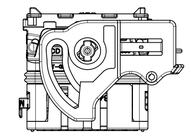
描述	产品编号
Continuity Test Pen Assembly	638121100
Unlocking Tool for CMC and CMX Receptacle Connector	638241200



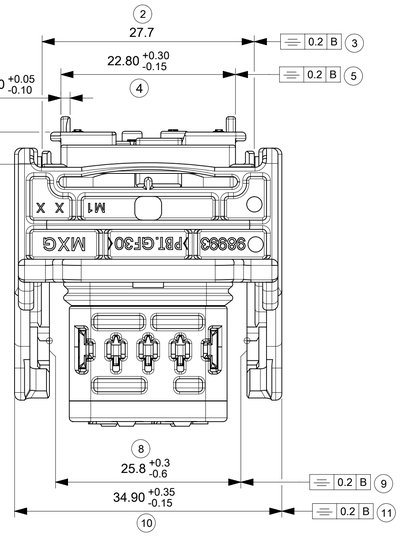


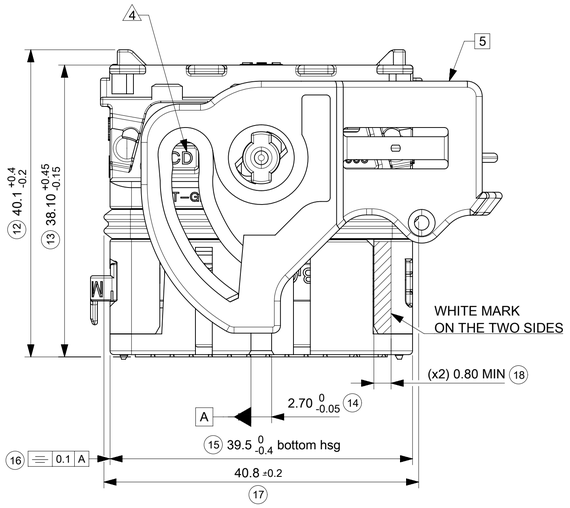


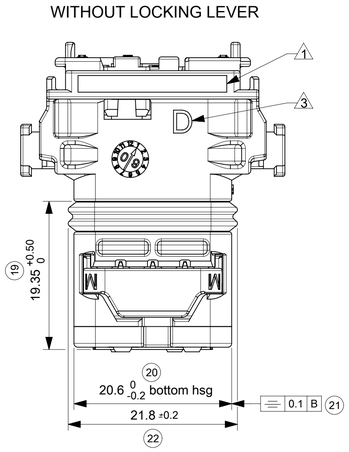
LEFT WIRE OUTPUT	
MATERIAL NUMBER	COLOR
0643201311	BLACK
0643201318	GREY
0643201319	BROWN
0643201315	GREEEN

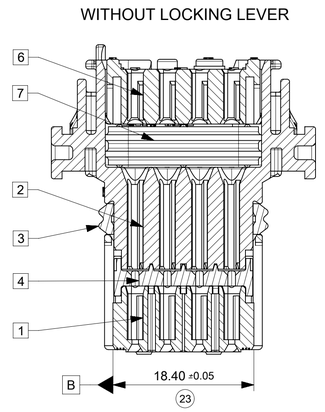


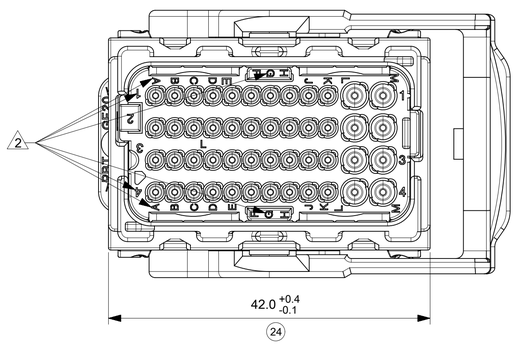
RIGHT WIRE OUTPUT	
MATERIAL NUMBER	COLOR
0643203311	BLACK
0643203318	GREY
0643203319	BROWN
0643203315	GREEN

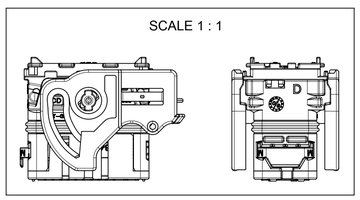












NOTES:

1- FOR ILLUSTRATION PURPOSE THE FEMALE HOUSING SHOWN IS THE RIGHT WIRE OUTPUT VERSION CODING 1

2- APPLICATION SPECIFICATION: AS-64319-002

3- WIRES EXTERNAL DIAMETER USED:
FOR CP0.6 TERMINAL: USE WIRES WITH AN EXTERNAL DIAMETER BETWEEN ∅1.25MM MIN AND ∅1.90MM MAX
FOR CP1.5 TERMINAL: USE WIRES WITH AN EXTERNAL DIAMETER BETWEEN ∅1.40MM MIN AND ∅2.80MM 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: 35.7 g

REF.	DESIGNATION	MATERIAL	COLOR
7	MAT SEAL	Silicon	RED
6	BACK GRID 48W	>PBT-GF20<	GREY
5	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<	COLOR LINKED TO KEYING

MARKINGS :
1 - Assembled part tracability: Year + Day
2 - Terminal cavities identification
3 - Lever position indicator: "D" LETTER VISIBLE = "RIGHT WIRE OUTPUT" "G" LETTER VISIBLE = "LEFT WIRE OUTPUT"
4 - Supplier identification
5 - Material identification

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DIMENSION UNITS	SCALE
mm	2.5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	2.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.1
1 PLACE	±	0.1
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: NX RE-MASTERING

EC NO: 627963
DRWN: PBOSQUAIN 2019/09/17
CHK'D: CBOUCHAN 2020/01/22
APPR: SLAFAURE 2020/01/23

INITIAL REVISION:
DRWN: TBADAROUX 2008/05/07
APPR: cbouchan 2008/05/16

molex

CMC CONNECTOR 48 WAY
MAT SEAL VERSION

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-64320-001	PSD	001	H2

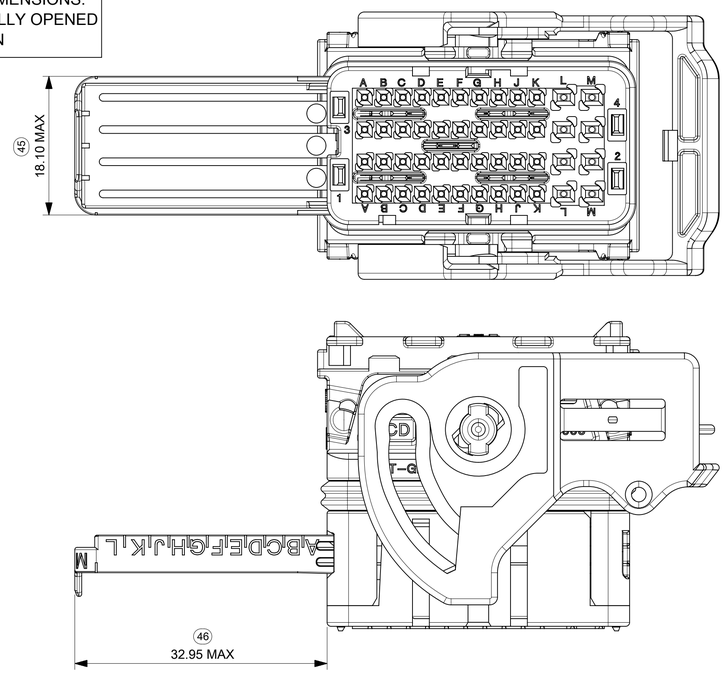
FIRST ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A1-SIZE	64320	SEE TABLE	GENERAL MARKET	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2020/01/23 09:25:16

FORMAT: molex-fp-prod A1-
ID:FMAT_fp
DATE: 2018/01/18

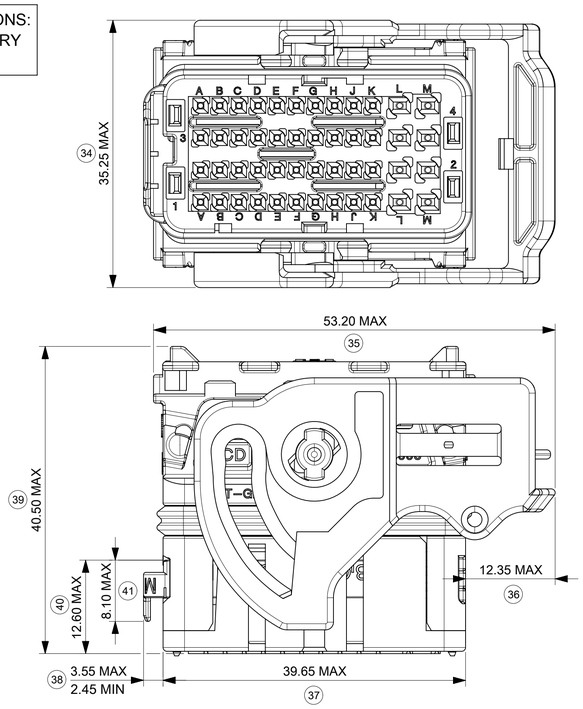
CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING FULLY OPENED
FOR TERMINAL INSERTION

RIGHT WIRE OUTPUT

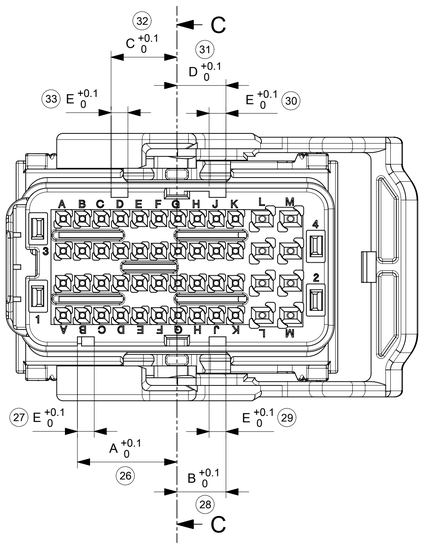


CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING IN DELIVERY
POSITION

RIGHT WIRE OUTPUT

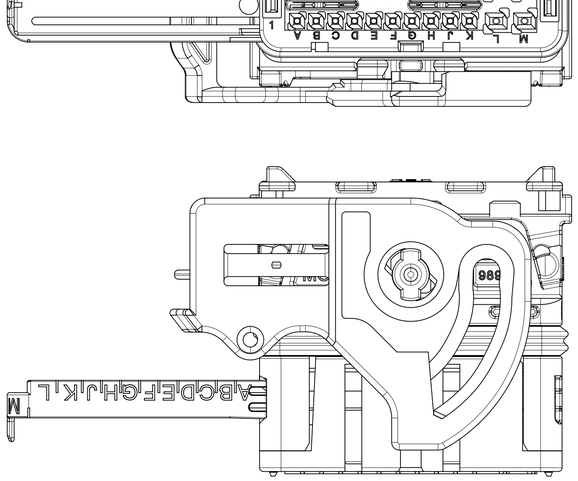


CODING POSITION



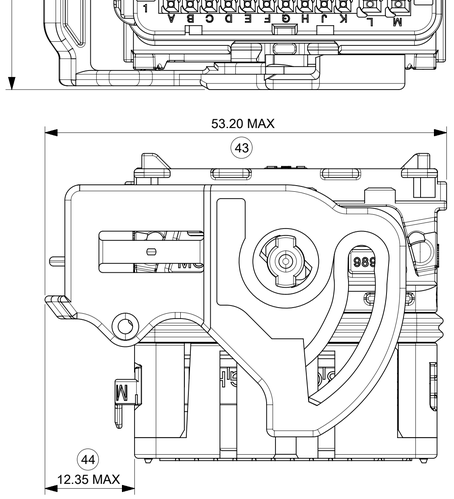
CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING FULLY OPENED
FOR TERMINAL INSERTION

LEFT WIRE OUTPUT

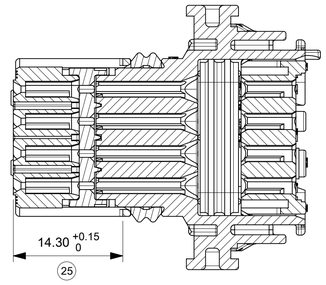


CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING IN DELIVERY
POSITION

LEFT WIRE OUTPUT



SECTION C-C
WITHOUT LOCKING LEVER



COLOR	CODING	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 P/N	min / MAX WIRE INSULATION DIAMETER (mm)
A1 to A4 B1 to B4 C1 to C4 D1 to D4 E1 to E4 F1 to F4 G1 to G4 H1 to H4 J1 to J4 K1 to K4	CP 0.6 0.35mm2	Tin plated	0643221019	∅1.25 min / ∅1.40 Max
		Gold plated	0643221229	
	CP 0.6 0.5mm2	Tin plated	0643221039	∅1.40 min / ∅1.70 Max
		Gold plated	0643221239	
	CP 0.6 0.75mm2	Tin plated	0643221029	∅1.60 min / ∅1.90 Max
		Gold plated	0643221219	
L1 to L4 M1 to M4	CP 1.5 0.5mm2 to 1mm2	Tin plated	0643231029	∅1.40 min / ∅2.15 Max
		Gold plated	0643231319	
	CP 1.5 >1mm2 to 2mm2	Tin plated	0643231039	∅2.10 min / ∅2.80 Max
		Gold plated	0643231219	

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2 PLACES	±	0.1
1 PLACE	±	0.1
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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FIRST ANGLE PROJECTION | DRAWING: A1-SIZE | SERIES: 64320 | MATERIAL NUMBER: SEE TABLE | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 2 OF 2

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CMC CONNECTOR 48 WAY
MAT SEAL VERSION

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-64320-001	PSD	001	H2

DOCUMENT STATUS	P1	RELEASE DATE	2020/01/23 09:25:16