



产品编号：[643201318](#)
Product Description：[.635mm, 1.50mm, CMC
Receptacle, 48 Circuits, Left Wire Output,
Gray Coding, Mat Sealed](#)
系列号：[64320](#)
状态：[Active](#)
Product Category：[Connector Housings](#)



文件和资源

图纸

[图纸 643201318_sd.pdf](#)

3D 模型和设计文件

[3D模型 643201318_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	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

[多部分产品合规性声明](#)
- Eu RoHS

- REACH SVHC
- Low-Halogen

多部分行业合规性文件

- 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, Gray 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	883906129804

电气

每触点最大电流	12.0A, 2.5A
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物理

电路详图	8 x 1.5mm & 40 x 0.635mm terminals
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电路数（最多）	48
颜色-树脂	灰色
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
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可配插/可连接使用的产品

可配插部件

描述	产品编号
CMC Header 154 Circuits, 3-Bay (Bay-X 48 Circuits; Bay-Y 53 Circuits; Bay-Z 53 Circuits) Compliant Pin, Press-fit Style	<u>0347630001</u>

可连接使用部件

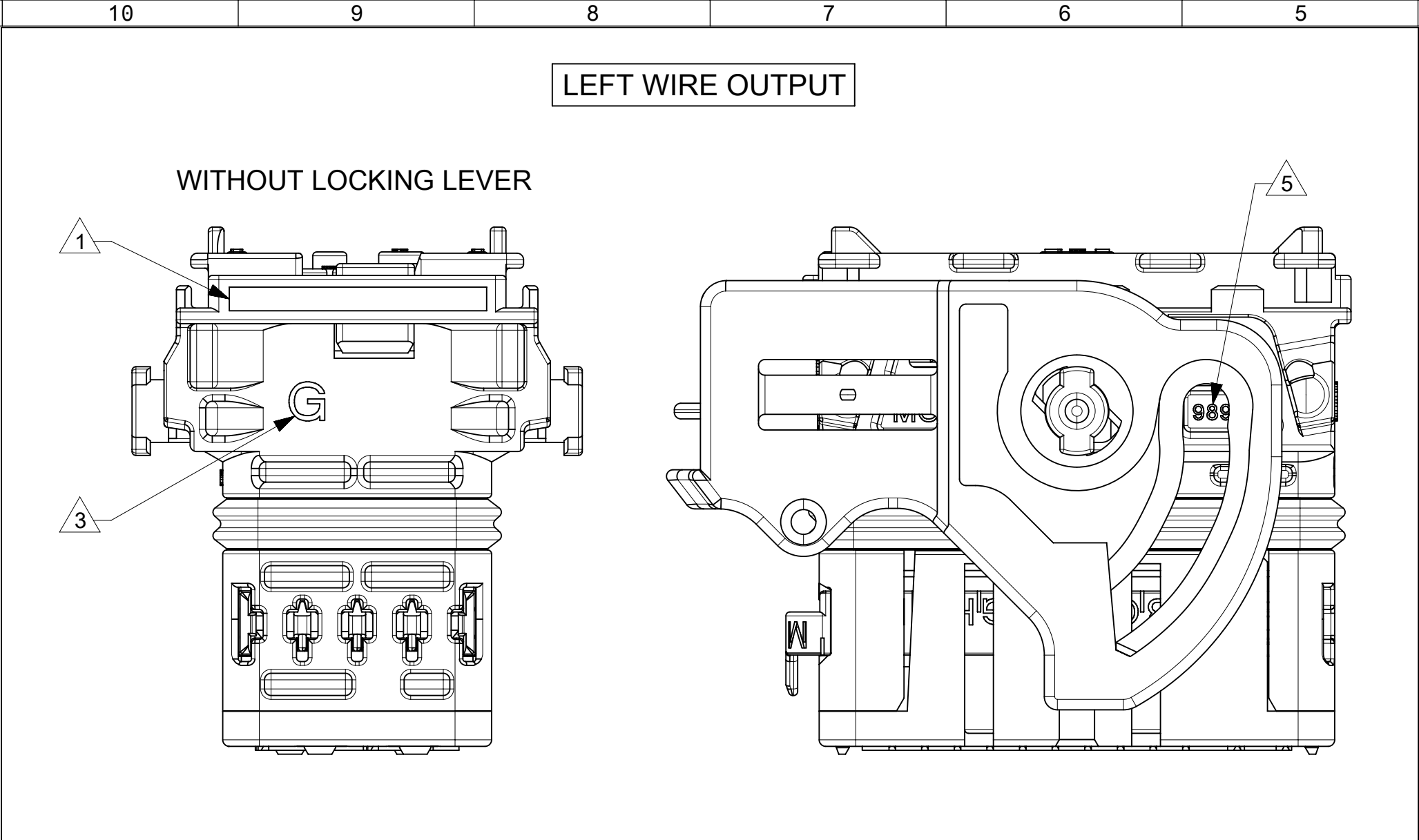
描述	产品编号
CMC Wire Cap for 48 Circuits and 28 Circuits, CMC Receptacle Mat Sealed	<u>/content/molex/molex-dot-com/cn/zh/products/product-page.html/643201301.html</u>
CMC 0.635mm Blind Cavity Plug	<u>/content/molex/molex-dot-com/cn/zh/products/product-page.html/643251010.html</u>

CMC 1.50mm Blind Cavity Plug	/content/molex/molex-dot-com/cn/zh/products/product-page.html/643251023.html
CMC CP Female Terminals	64322
1.50mm CMC CP Female Terminals	64323

施工工具

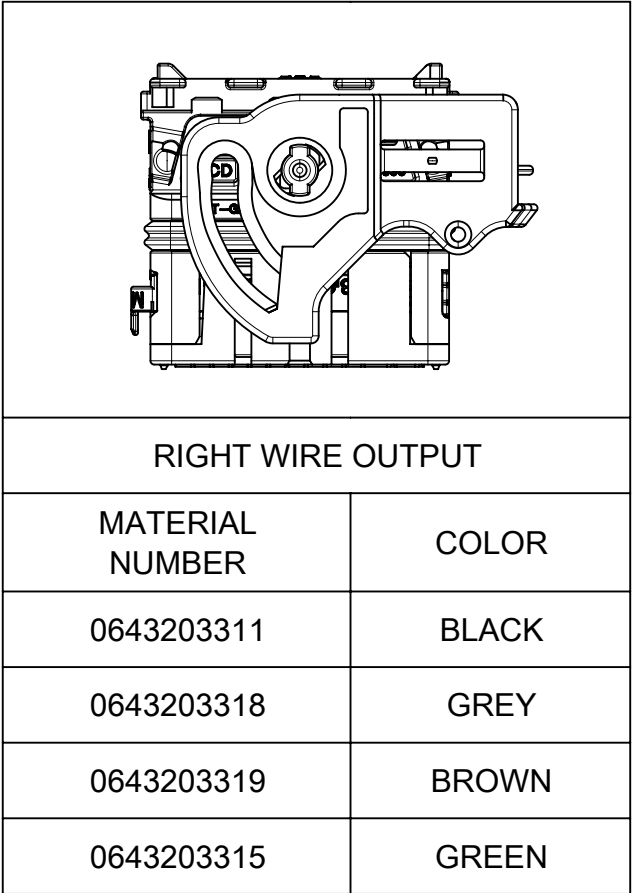
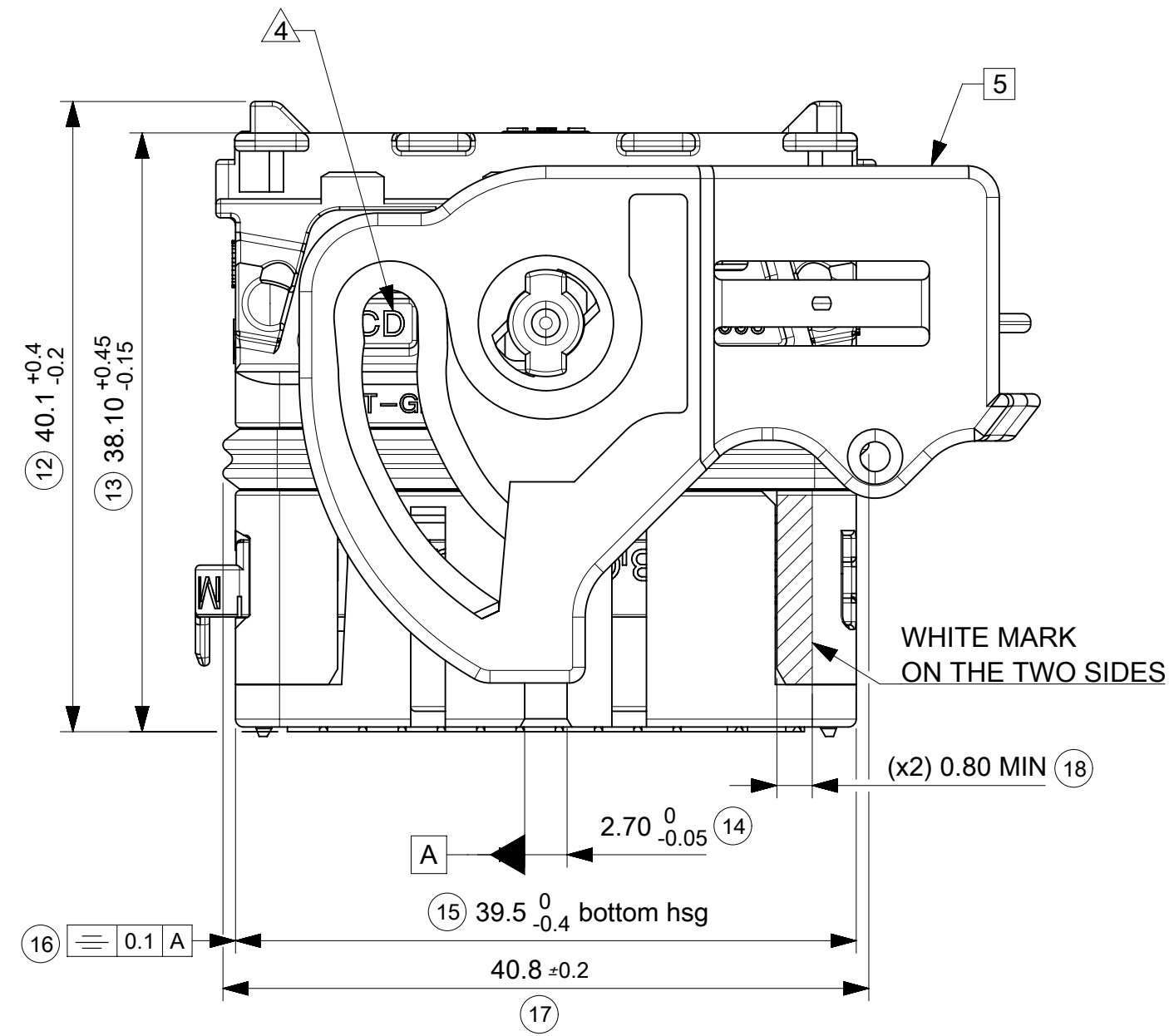
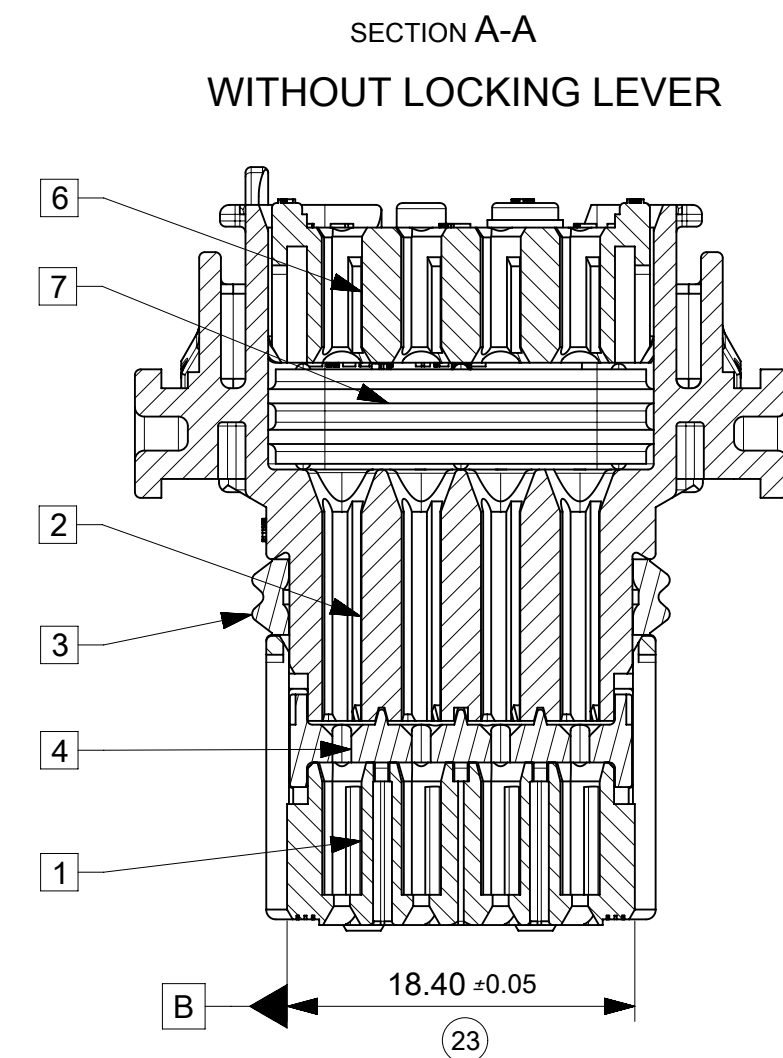
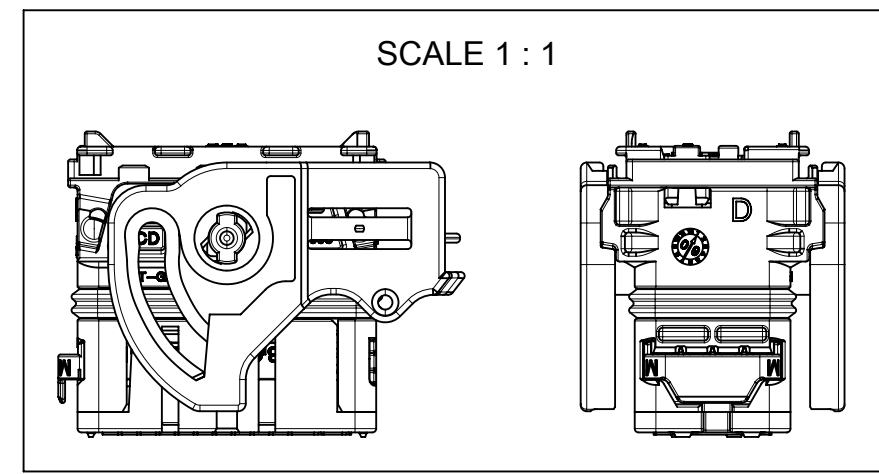
全局

描述	产品编号
Continuity Test Pen Assembly	0638121100
Unlocking Tool for CMC and CMX Receptacle Connector	0638241200



LEFT WIRE OUTPUT

MATERIAL NUMBER	COLOR
0643201311	BLACK
0643201318	GREY
0643201319	BROWN
0643201315	GREEN



- 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 Ø1.25MM MIN AND Ø1.90MM MAX
FOR CP1.5 TERMINAL: USE 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: 35.7 g

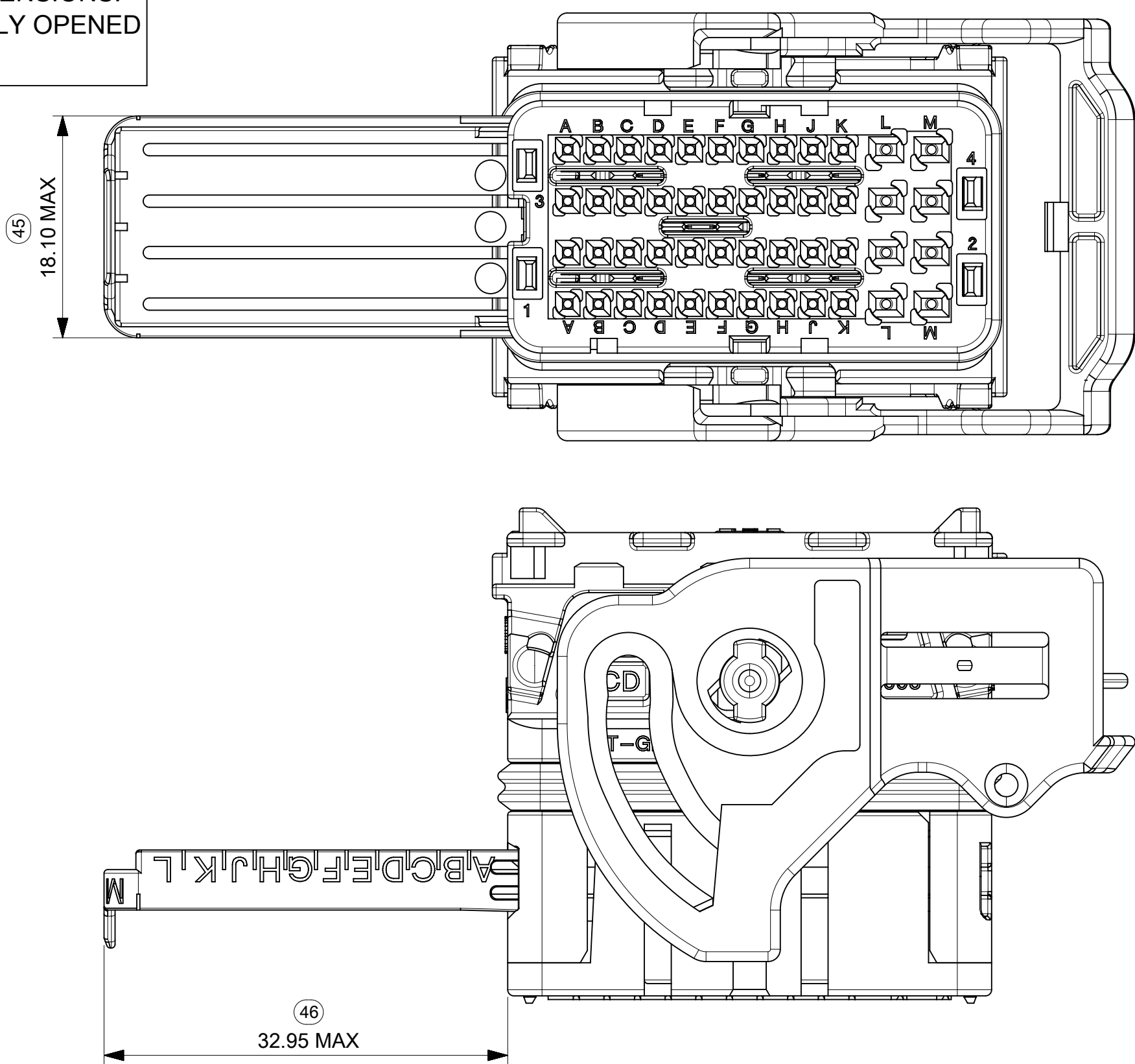
7	MAT SEAL	Silicon	RED
6	BACK GRID 48W	>PBT-GF20<	GREY
5	LOCKING LEVER 48W	>PBT-GF30<	BLACK
4	SECONDARY LOCK	>PBT-GF20<	GREY
3	PERIPHERAL SEAL 48W	Silicon	RED
2	BACK PART	>PBT-GF20<	BLACK
1	FRONT PART	>PBT-GF20<	COLOR LINKED TO KEYING
REF.	DESIGNATION	MATERIAL	COLOR

MARKINGS :

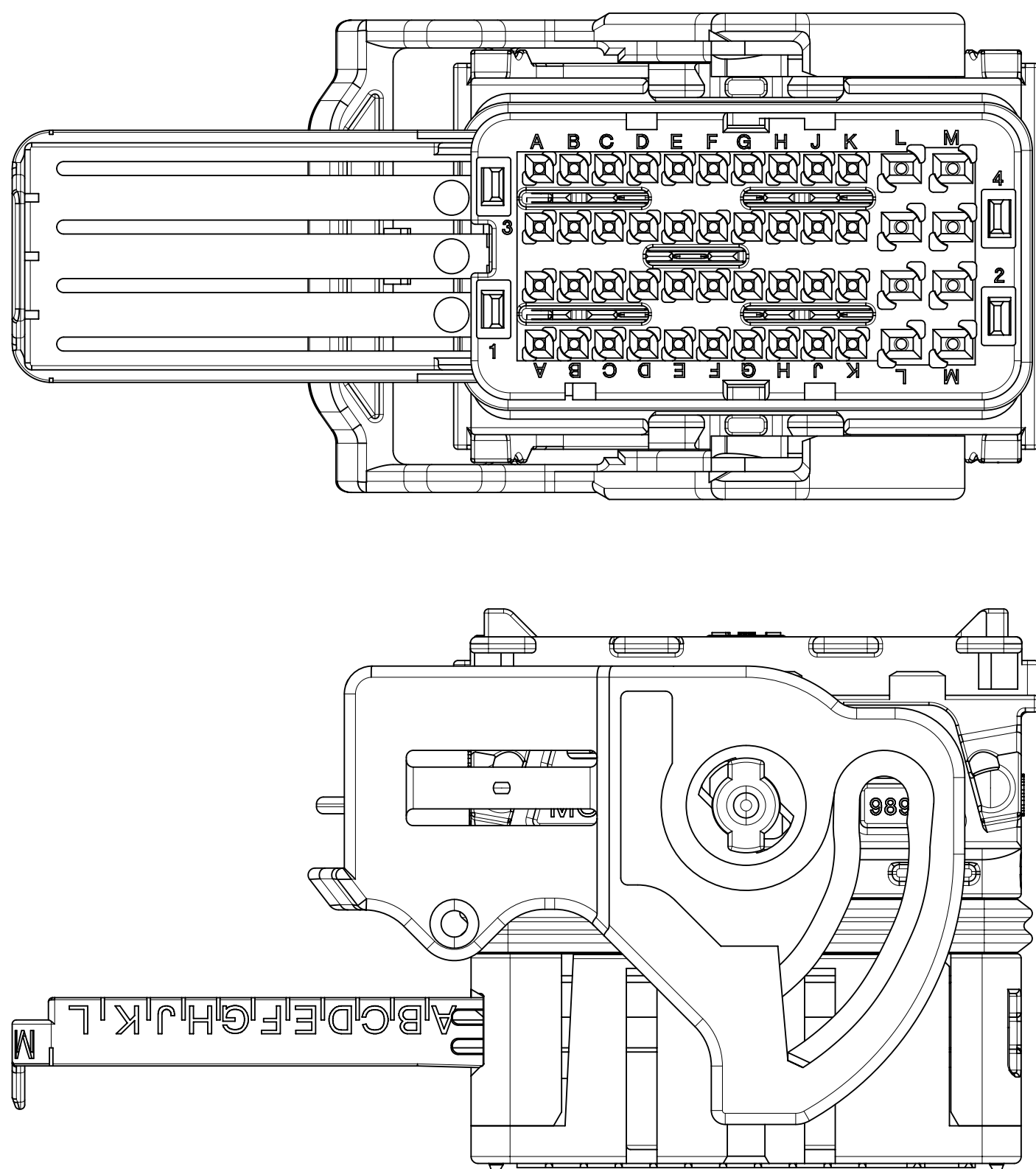
- ① - Assembled part tracability:
Year + Day
- ② - Terminal cavities identification
- ③ - Lever position indicator:
"D" LETTER VISIBLE = "RIGHT WIRE OUTPUT"
"G" LETTER VISIBLE = "LEFT WIRE OUTPUT"
- ④ - Supplier identification
- ⑤ - Material identification

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS		SCALE		CURRENT REV DESC: NX RE-MASTERING				<div>molex</div> <div>CMC CONNECTOR 48 WAY MAT SEAL VERSION</div>				
mm		2.5:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 627963 DRWN: PBOSQUAIN 2019/09/17 CHK'D: CBOUCHAN 2020/01/22 APPR: SLAFAURE 2020/01/23				PRODUCT CUSTOMER DRAWING				
ANGULAR TOL ± 2.0 °												
4 PLACES		±										
3 PLACES		±		INITIAL REVISION: DRWN: TBADAROUX 2008/05/07 APPR: cbouchan 2008/05/16				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
2 PLACES		± 0.1						SD-64320-001		PSD	001	H2
1 PLACE		± 0.1										
0 PLACES		±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
								SEE TABLE		GENERAL MARKET		1 OF 2
FIRST ANGLE PROJECTION				DRAWING		SERIES						
				A1-SIZE		64320						

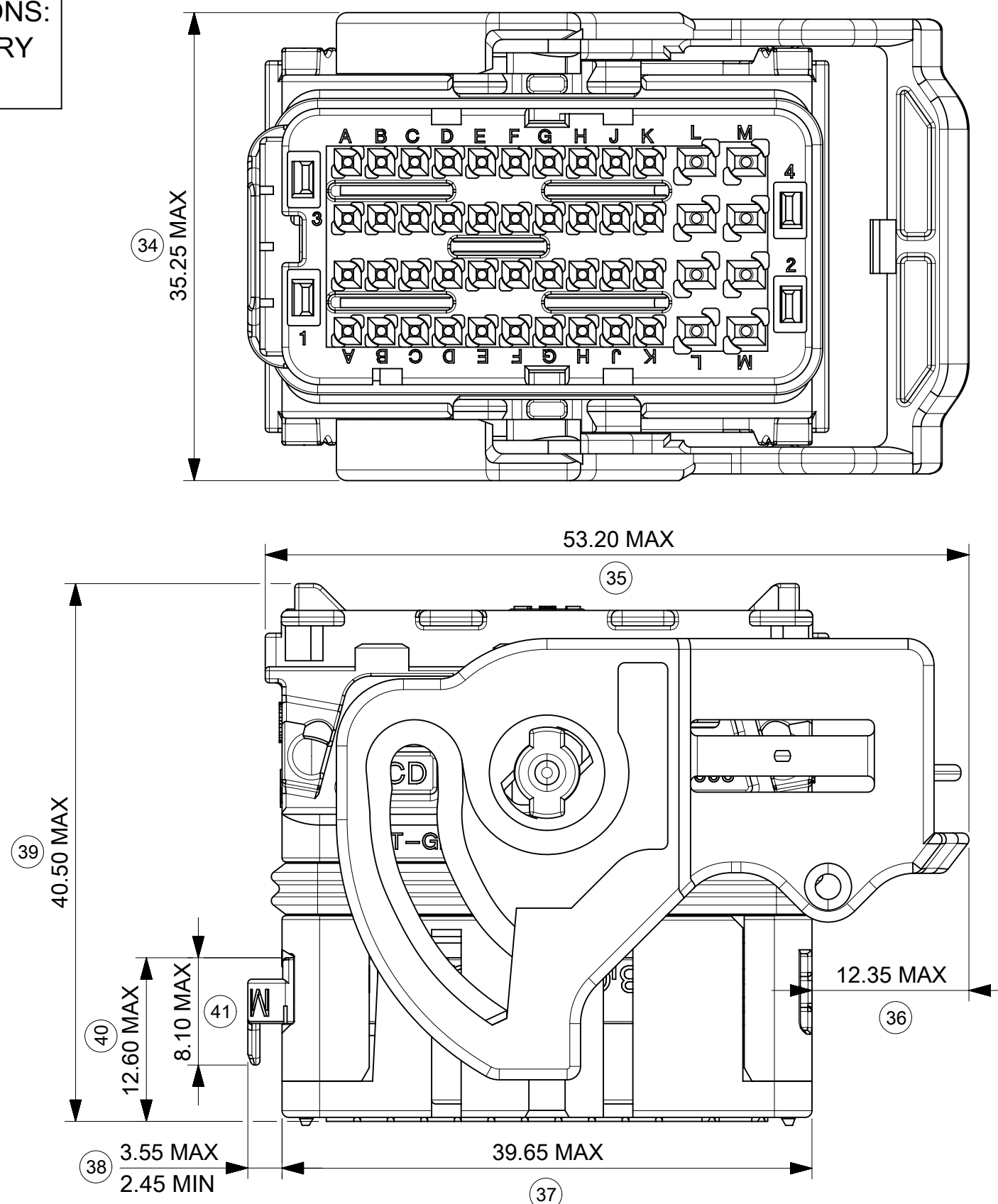
RIGHT WIRE OUTPUT



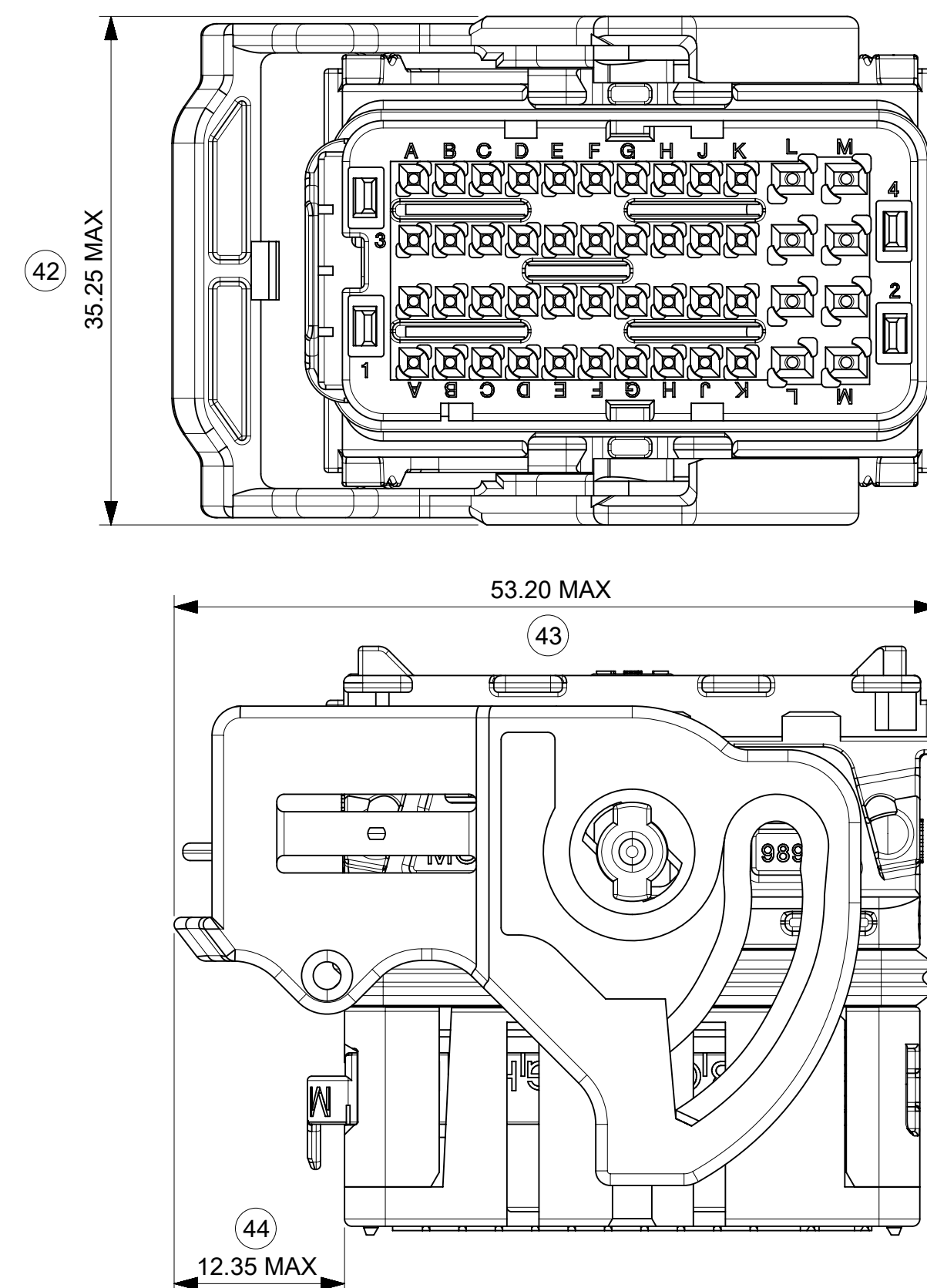
LEFT WIRE OUTPUT



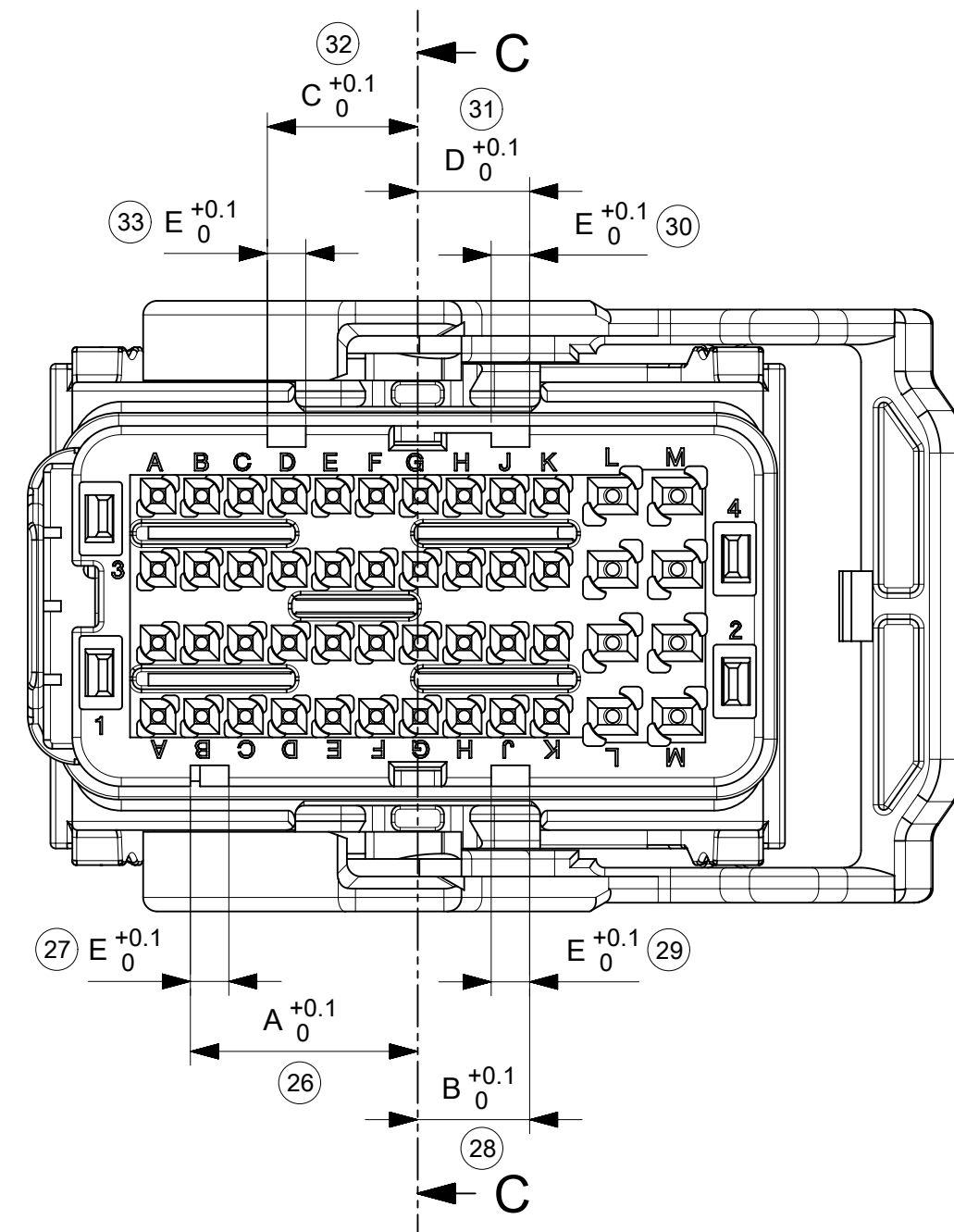
RIGHT WIRE OUTPUT



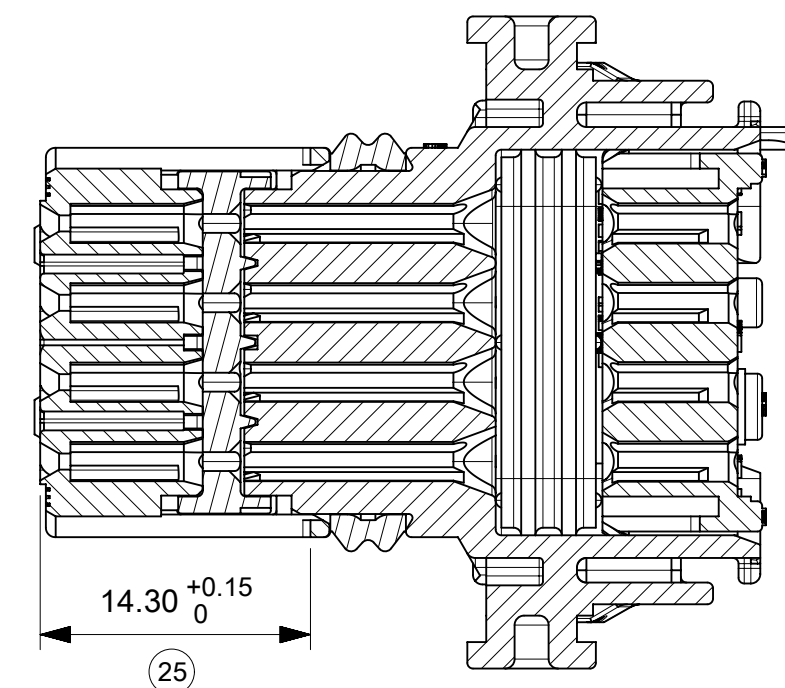
LEFT WIRE OUTPUT



CODING POSITION



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	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	
	CP 0.6 0.75mm2	Tin plated	0643221029	Ø1.60 min / Ø1.90 Max
		Gold plated	0643221219	
L1 to L4 M1 to M4	CP 1.5 0.5mm2 to 1mm2	Tin plated	0643231029	Ø1.40 min / Ø2.15 Max
		Gold plated	0643231319	
	CP 1.5 >1mm2 to 2mm2	Tin plated	0643231039	Ø2.10 min / Ø2.80 Max
		Gold plated	0643231219	

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DIMENSION UNITS		SCALE		CURRENT REV DESC: NX RE-MASTERING			<div style="text-align: center;">  </div>		
mm		2.5:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 627963 DRWN: PBOSQUAIN 2019/09/17 CHK'D: CBOUCHAN 2020/01/22 APPR: SLAFAURE 2020/01/23			CMC CONNECTOR 48 WAY MAT SEAL VERSION		
ANGULAR TOL ± 2.0 °									
4 PLACES		±		INITIAL REVISION:			DOCUMENT NUMBER <div style="text-align: center; font-size: 24pt;">SD-64320-001</div>		
3 PLACES		±							
2 PLACES		± 0.1		DRWN: TBADAROUX 2008/05/07 APPR: cbouchan 2008/05/16			DOC TYPE PSD		
1 PLACE		± 0.1							
0 PLACES		±		MATERIAL NUMBER SEE TABLE			CUSTOMER GENERAL MARKET		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
FIRST ANGLE PROJECTION				DRAWING		SERIES		SHEET NUMBER	
				A1-SIZE		64320		2 OF 2	

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