

产品编号 : [643203311](#)

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

系列号 : 64320

状态 : Active

Product Category : Connector Housings



文件和资源

图纸

[图纸 643203311_sd.pdf](#)

3D 模型和设计文件

[3D模型 643203311_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	
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, Right Wire Output, Black 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	883906134877

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	黑色
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	35.680/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
2.50mm, 3.50mm, 3.70mm CMC Header, Right-Angle, 48 Circuits, Black	<u>5007620481</u>
CMC Right-Angle Headers	<u>36638</u>

可连接使用部件

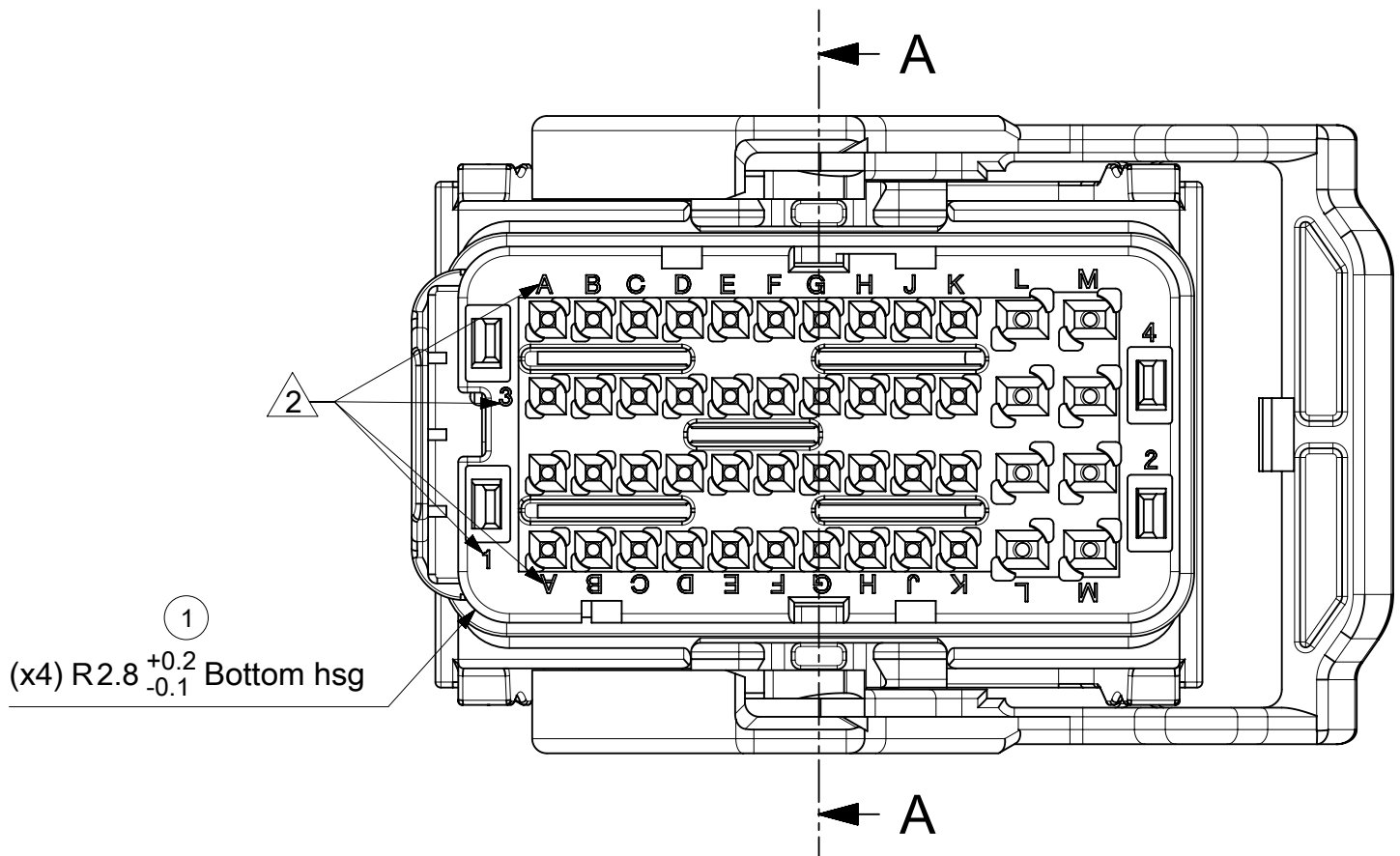
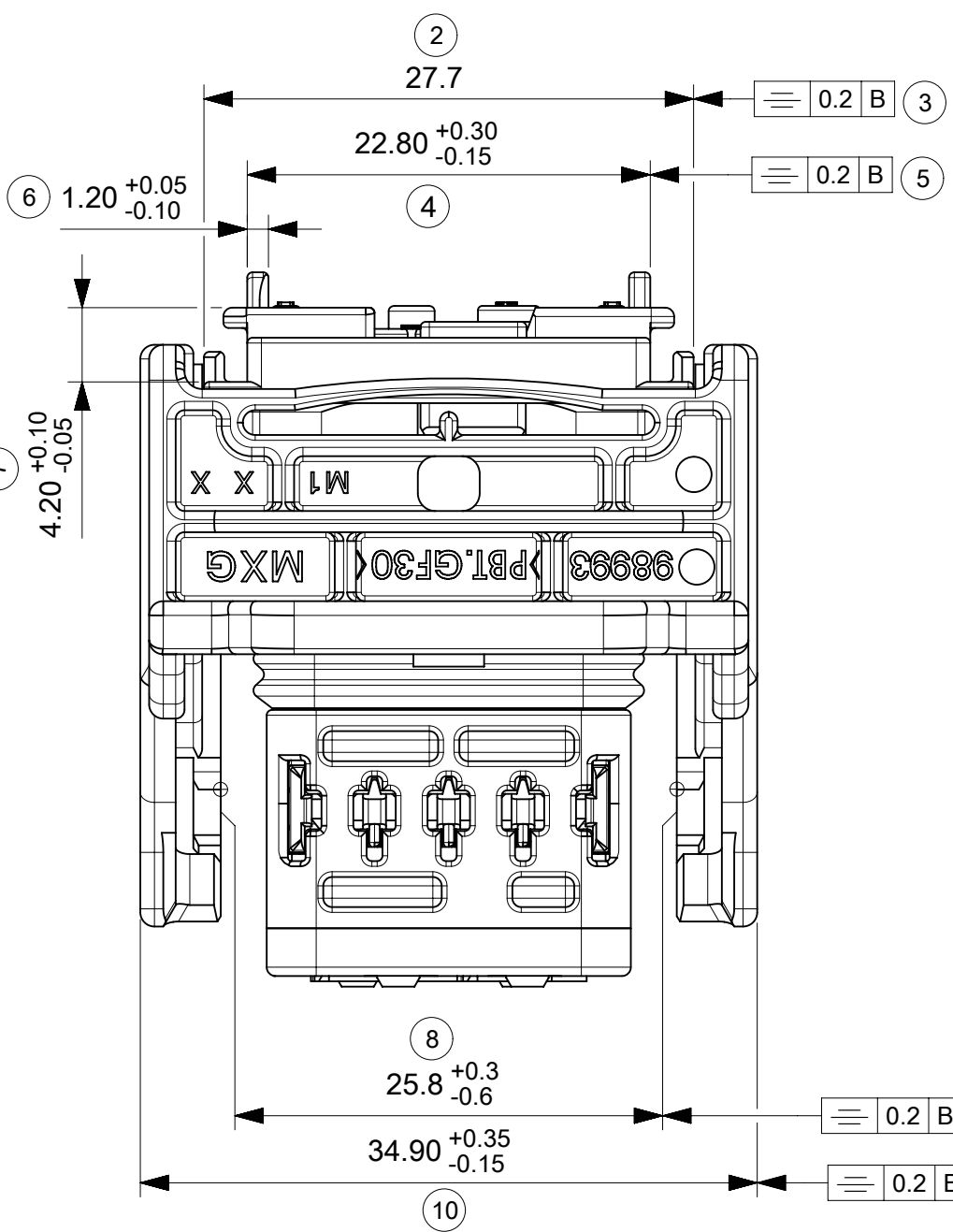
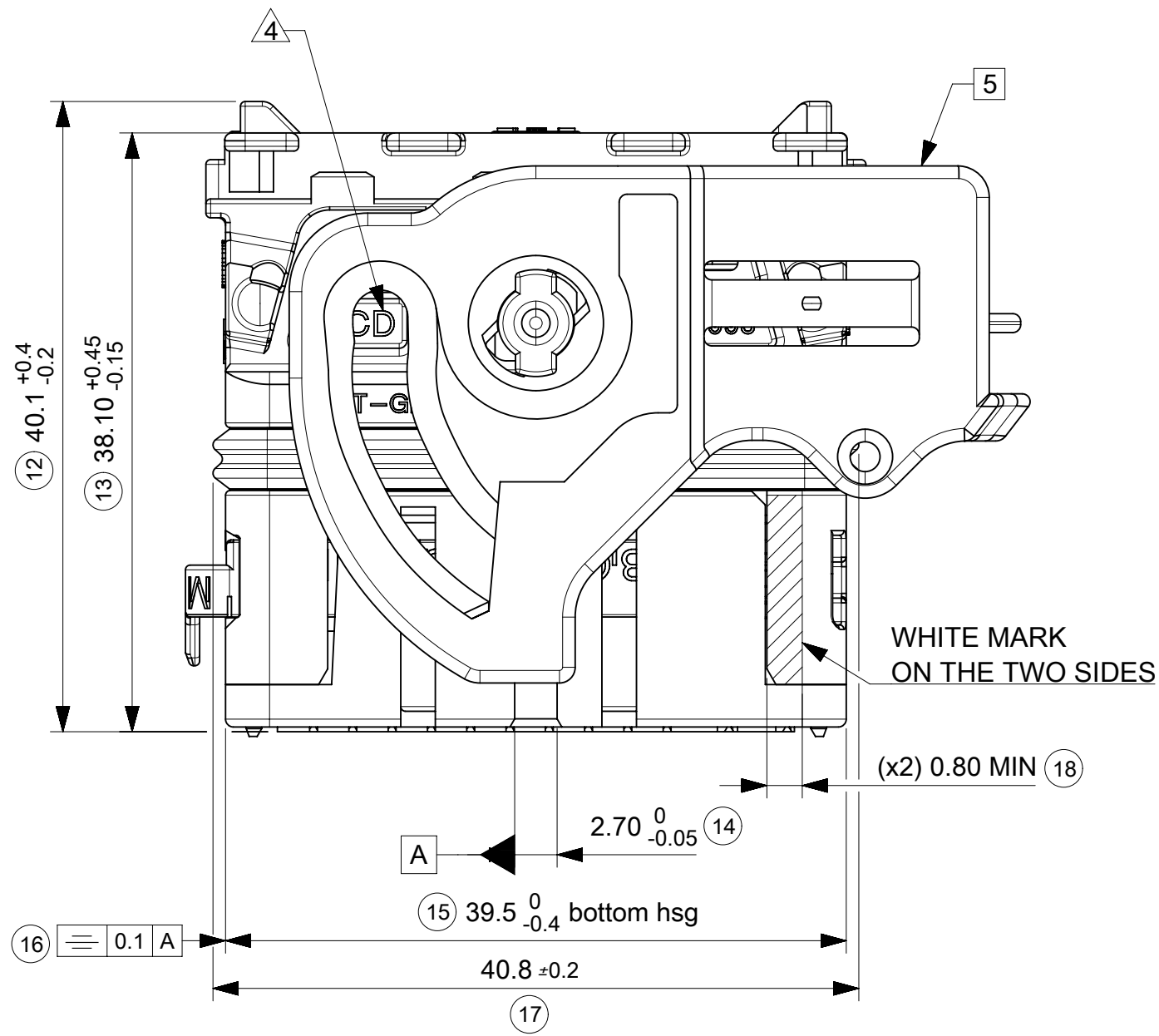
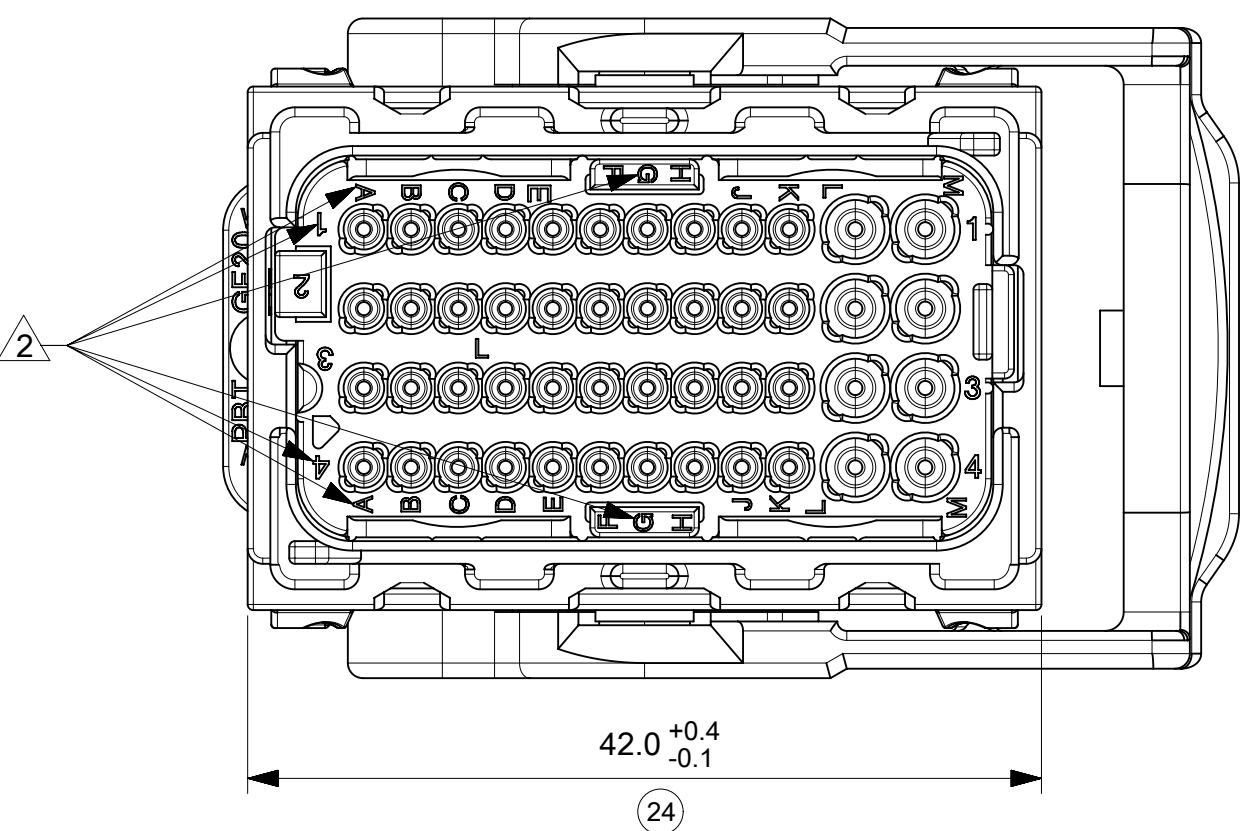
描述	产品编号
CMC Wire Cap for 48 Circuits and 28 Circuits, CMC Receptacle Mat Sealed	<u>/content/molex/molex-dot-com/cn/zh/products/product-page.html/643201301.html</u>
CMC 0.635mm Blind Cavity Plug	<u>/content/molex/molex-dot-com/cn/zh/products/product-page.html/643251010.html</u>

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

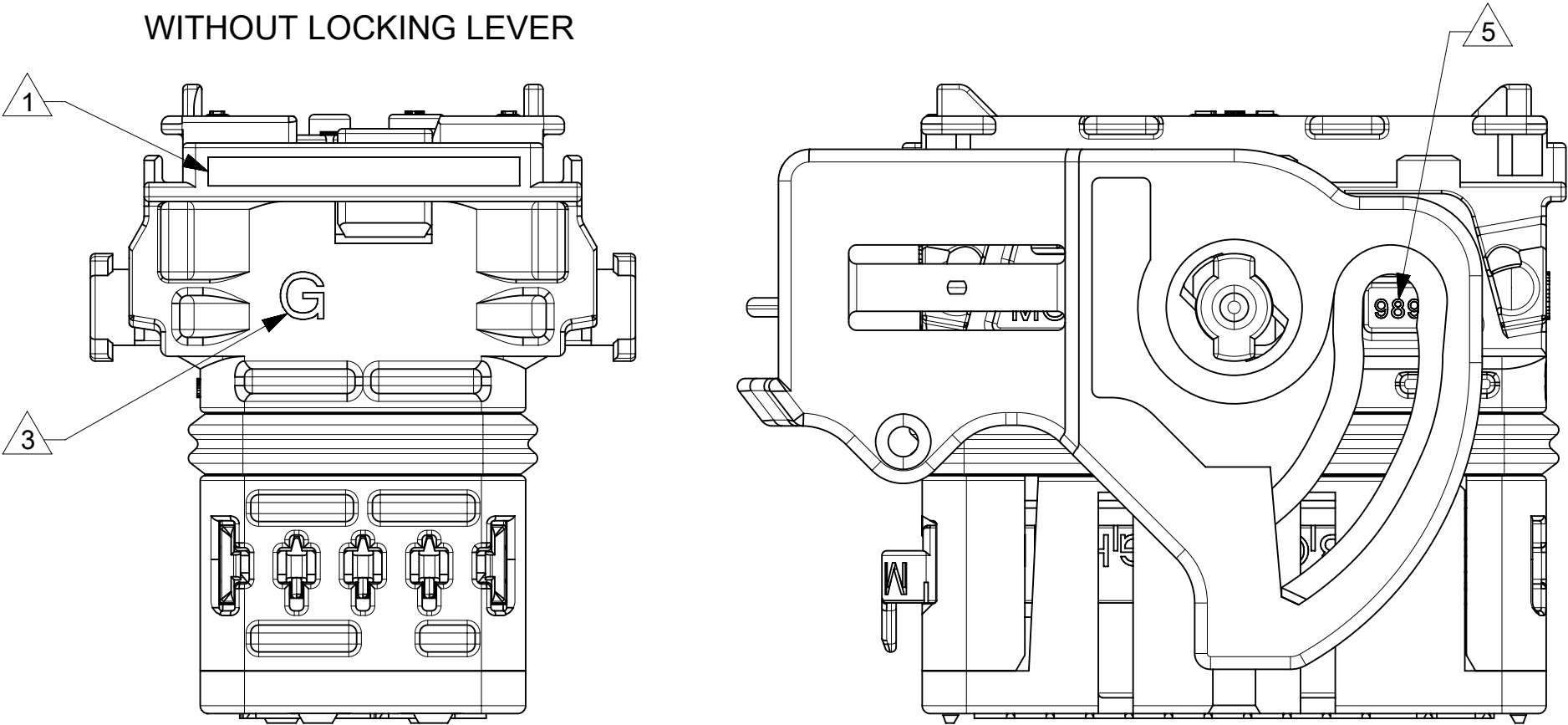
描述	产品编号
Continuity Test Pen Assembly	0638121100
Unlocking Tool for CMC and CMX Receptacle Connector	0638241200



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

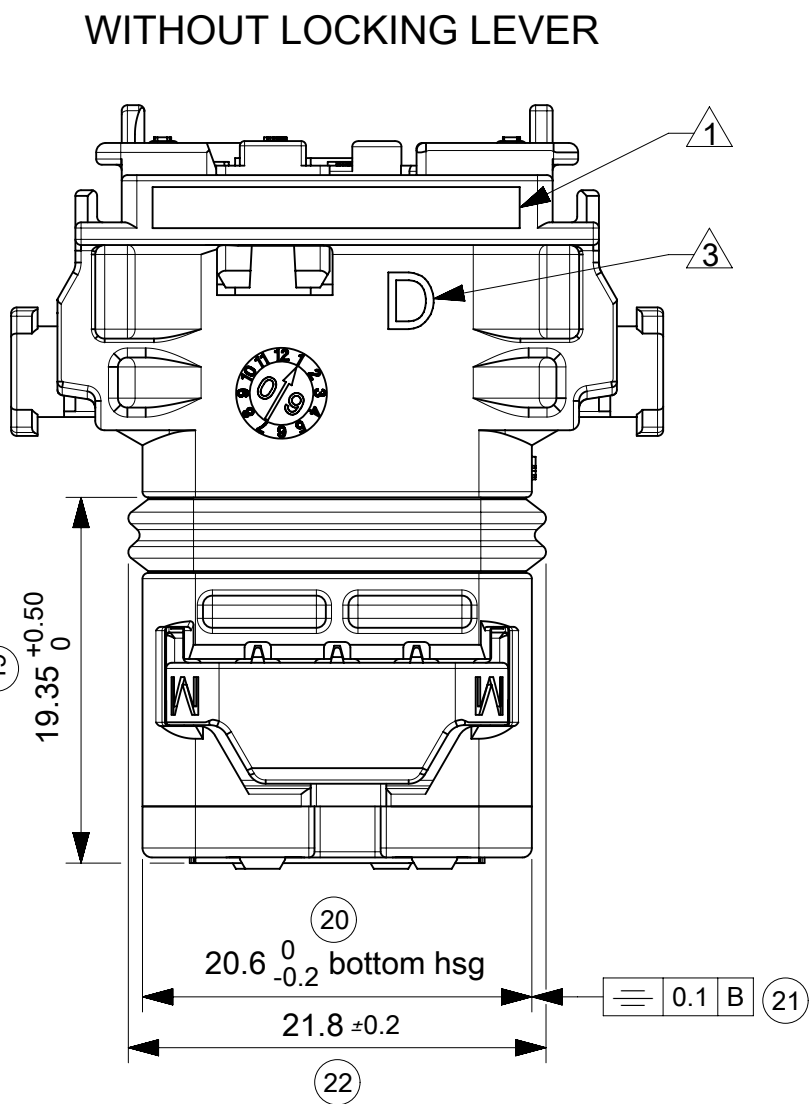
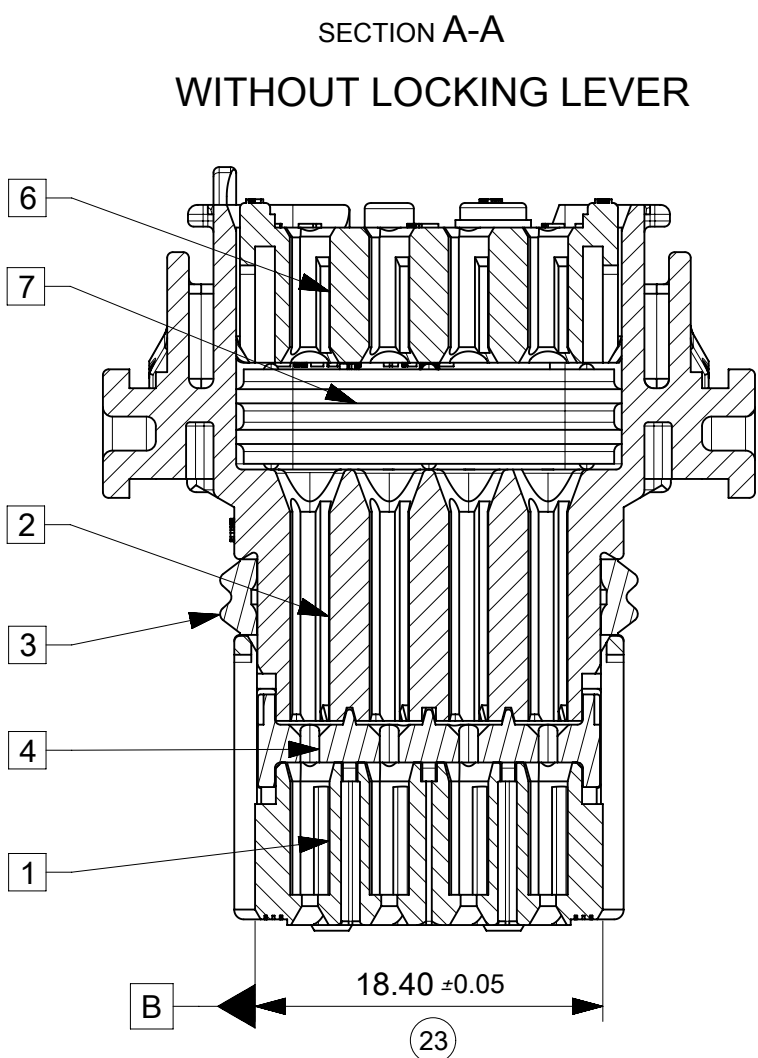
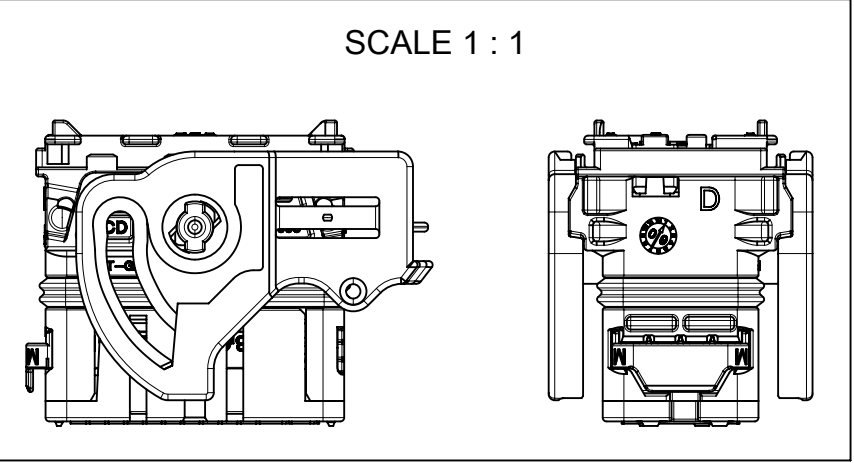
MARKINGS :
⚠ - Assembled part tracability: Year + Day
② - Terminal cavities identification
③ - Lever position indicator: "D" LETTER VISIBLE = "RIGHT WIRE OUTPUT" "G" LETTER VISIBLE = "LEFT WIRE OUTPUT"
④ - Supplier identification
⑤ - Material identification

LEFT WIRE OUTPUT



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

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

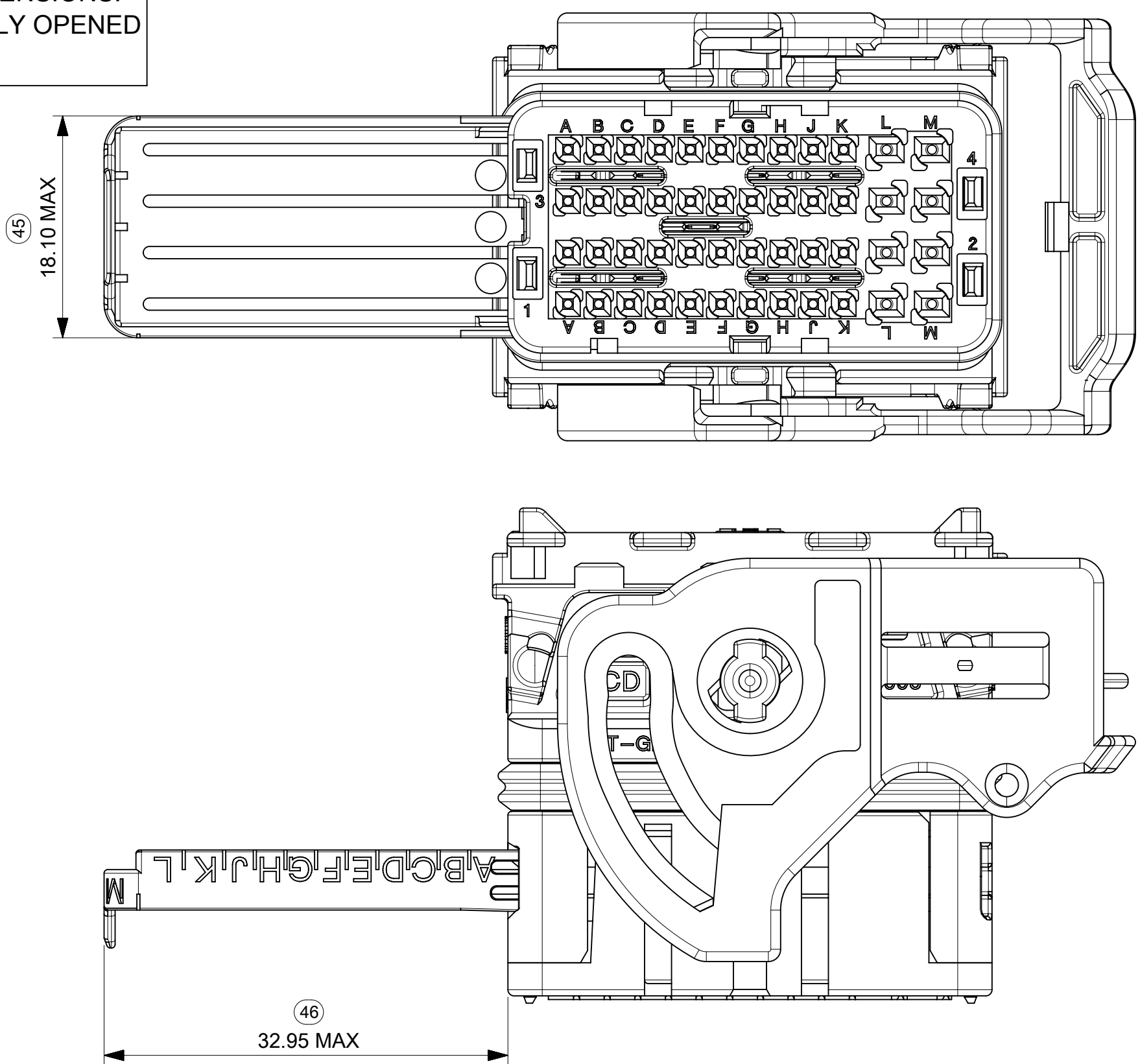


- NOTES:
- FOR ILLUSTRATION PURPOSE THE FEMALE HOUSING SHOWN IS THE RIGHT WIRE OUTPUT VERSION CODING 1
 - APPLICATION SPECIFICATION: AS-64319-002
 - WIRES EXTERNAL DIAMETER USED:
FOR CP0.6 TERMINAL: USE WIRES WITH AN EXTERNAL DIAMETER BETWEEN $\varnothing 1.25\text{MM}$ MIN AND $\varnothing 1.90\text{MM}$ MAX
FOR CP1.5 TERMINAL: USE WIRES WITH AN EXTERNAL DIAMETER BETWEEN $\varnothing 1.40\text{MM}$ MIN AND $\varnothing 2.80\text{MM}$ MAX
 - THE CONNECTOR FITS WITH WIRE CAP (48 WAY) MOLEX P/N 0643201301
 - BLIND PLUG FOR 0.6 AND 1.5 CAVITIES (MOLEX P/N 0643251010 AND 0643251023) MUST BE USED ON THIS PART
 - DELIVERED PRODUCT WEIGHT: 35.7 g

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>				
mm		2.5:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)				CMC CONNECTOR 48 WAY MAT SEAL VERSION							
ANGULAR TOL ± 2.0°											
4 PLACES		±		PRODUCT CUSTOMER DRAWING							
3 PLACES		±									
2 PLACES		± 0.1		DOCUMENT NUMBER SD-64320-001							
1 PLACE		± 0.1									
0 PLACES		±		DOCTYPE PSD		DOC PART 001		REVISION H2			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				FIRST ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
						A1-SIZE		64320		SEE TABLE	
								GENERAL MARKET		SHEET NUMBER	
										1 OF 2	

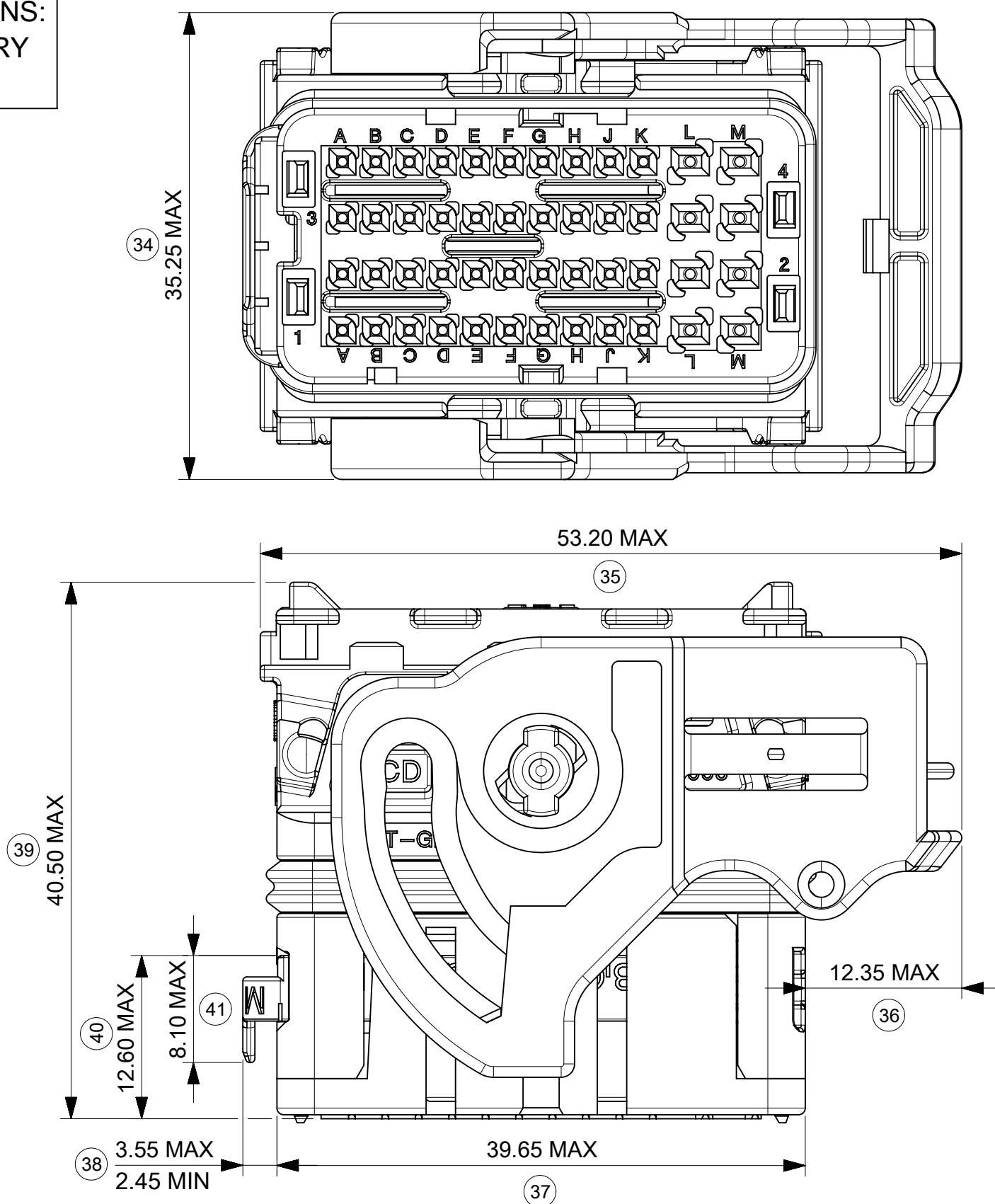
CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING FULLY OPENED
FOR TERMINAL INSERTION

RIGHT WIRE OUTPUT

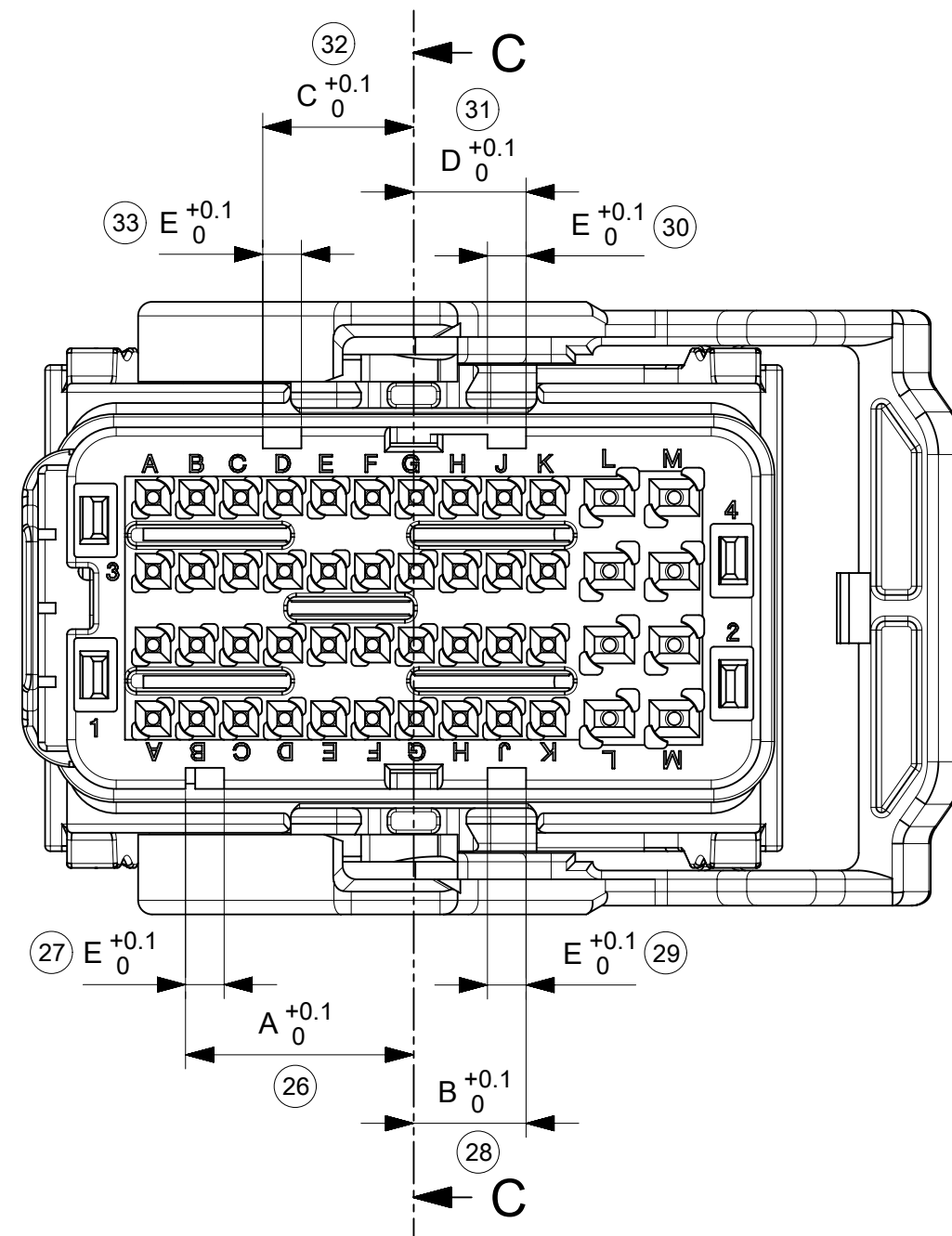


CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING IN DELIVERY
POSITION

RIGHT WIRE OUTPUT

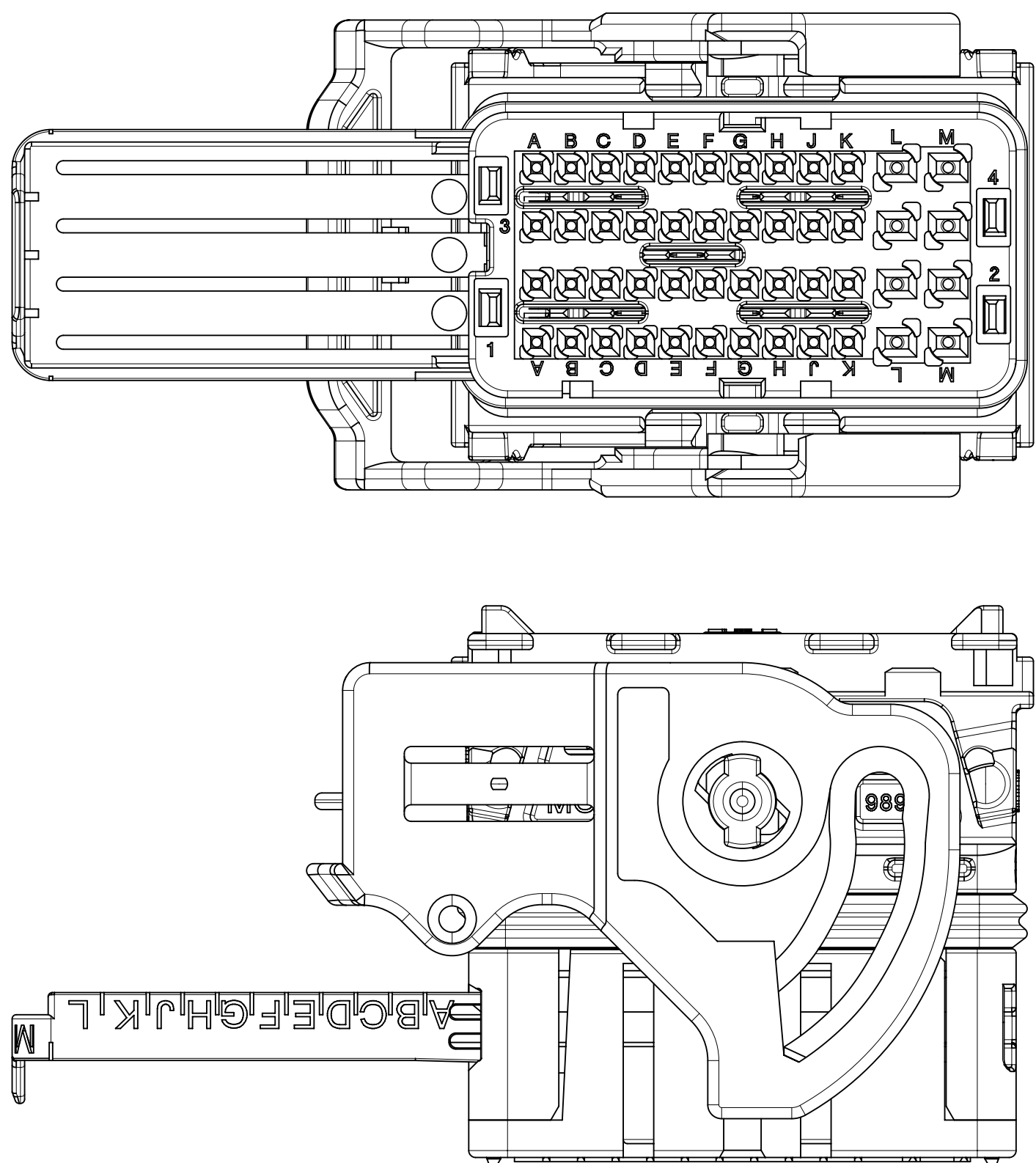


CODING POSITION



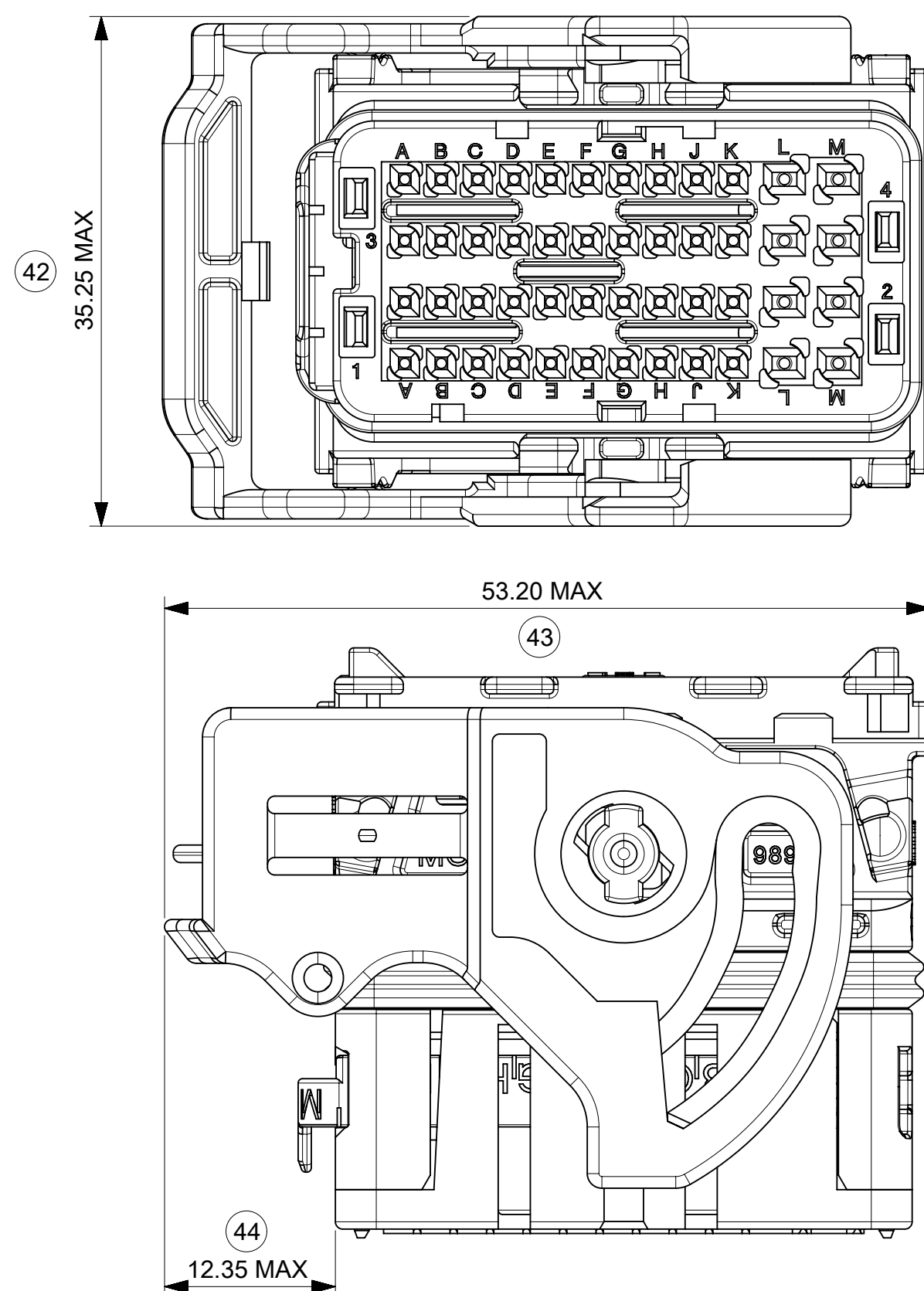
CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING FULLY OPENED
FOR TERMINAL INSERTION

LEFT WIRE OUTPUT

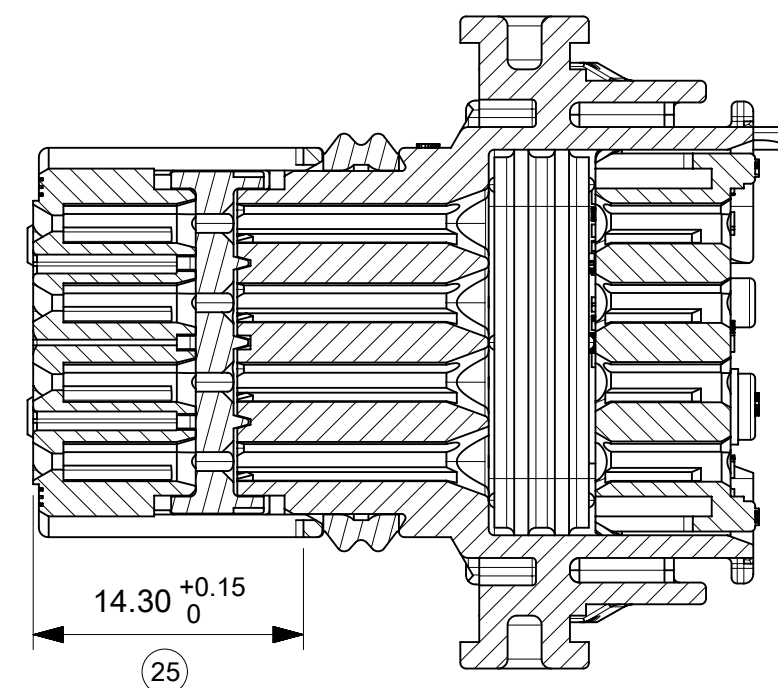


CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING IN DELIVERY
POSITION

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	$\varnothing$ 1.25 min / $\varnothing$ 1.40 Max
		Gold plated	0643221229	
	CP 0.6 0.5mm2	Tin plated	0643221039	$\varnothing$ 1.40 min / $\varnothing$ 1.70 Max
		Gold plated	0643221239	
	CP 0.6 0.75mm2	Tin plated	0643221029	$\varnothing$ 1.60 min / $\varnothing$ 1.90 Max
		Gold plated	0643221219	
L1 to L4 M1 to M4	CP 1.5 0.5mm2 to 1mm2	Tin plated	0643231029	$\varnothing$ 1.40 min / $\varnothing$ 2.15 Max
		Gold plated	0643231319	
	CP 1.5 >1mm2 to 2mm2	Tin plated	0643231039	$\varnothing$ 2.10 min / $\varnothing$ 2.80 Max
		Gold plated	0643231219	

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DIMENSION UNITS	SCALE	CURRENT REV DESC: NX RE-MASTERING			
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					
FIRST ANGLE PROJECTION					
DRAWING					
SERIES					
A1-SIZE					
64320					
SEE TABLE					
GENERAL MARKET					
SHEET NUMBER					
2 OF 2					