

产品编号 : 643193211
Product Description : .635mm, 1.50mm, CMC
Receptacle, 32 Circuits, Right Wire
Output, Black Coding, Mat Sealed
系列号 : 64319
状态 : Active
Product Category : Connector Housings



文件和资源

图纸
[图纸 643193211_sd.pdf](#)

3D 模型和设计文件
[3D模型 643193211_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 984200002-AS-KR-000.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-64319-001-001.pdf](#)
 - [产品规格 PS-64319-002-001.pdf](#)

产物环境合规

合规

GADSL/IMDS	Compliant
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Not 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	64319
说明	.635mm, 1.50mm, CMC Receptacle, 32 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	883906131135

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 & 24 x 0.635mm terminals
电路数（最多）	32
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	29.426/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, 3.70mm CMC Header, Right-Angle, 32 Circuits, 1 Port, Black	<u>0643340100</u>
CMC Header 112-circuit, 3-pocket, Solder Tail	<u>0643330100</u>
2.50mm, 3.50mm, 3.70mm CMC Header, Right-Angle, 80 Circuits	<u>5022250801</u>

可连接使用部件

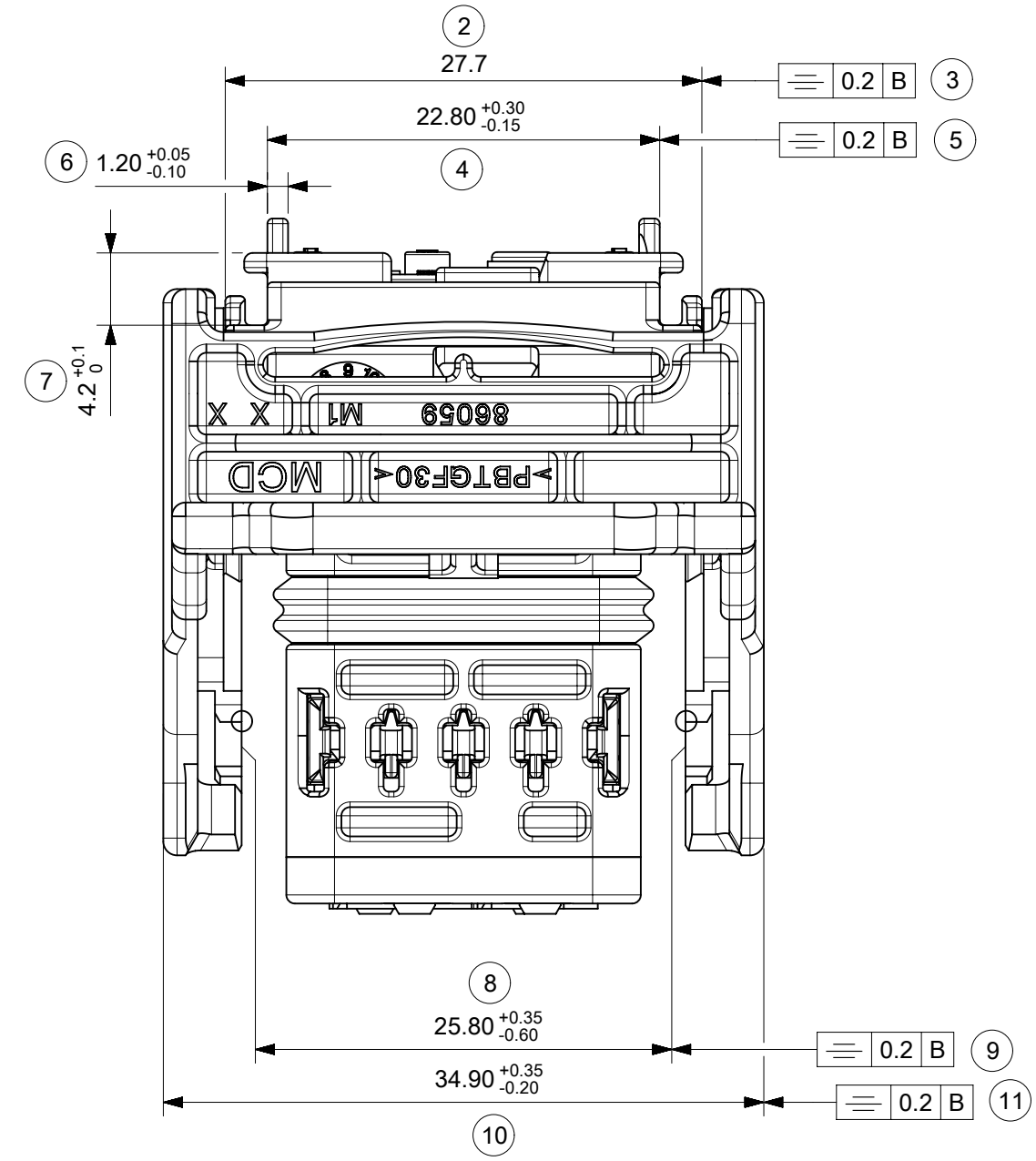
描述	产品编号
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CMC Wire Cap for 32 Circuits, CMC Receptacle Mat Sealed	/content/molex/molex-dot-com/cn/zh/products/product-page.html/643191201.html
CMC 0.635mm Blind Cavity Plug	/content/molex/molex-dot-com/cn/zh/products/product-page.html/643251010.html
CMC 1.50mm Blind Cavity Plug	/content/molex/molex-dot-com/cn/zh/products/product-page.html/643251023.html
CMC CP Female Terminals	<u>64322</u>
1.50mm CMC CP Female Terminals	<u>64323</u>

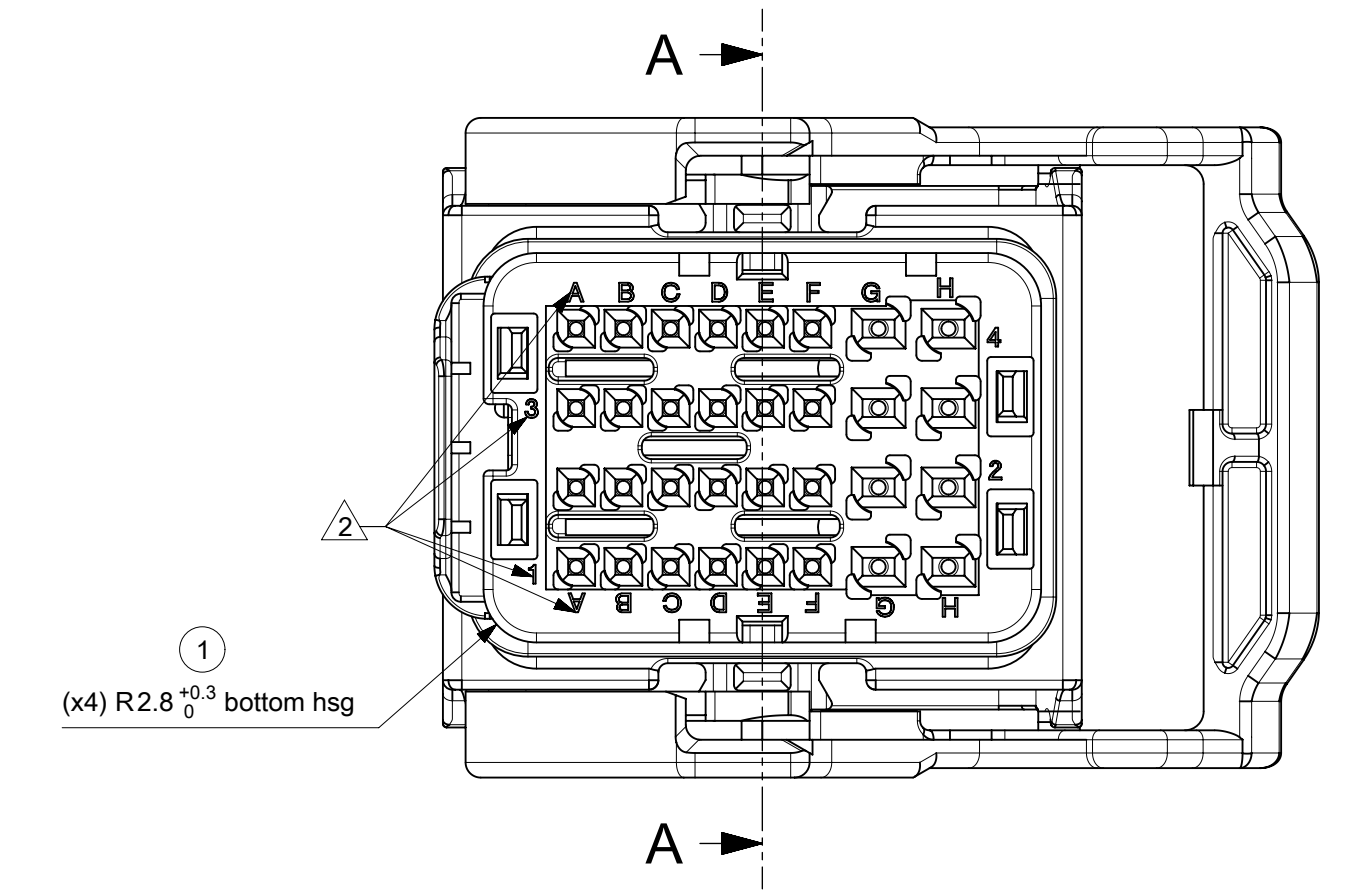
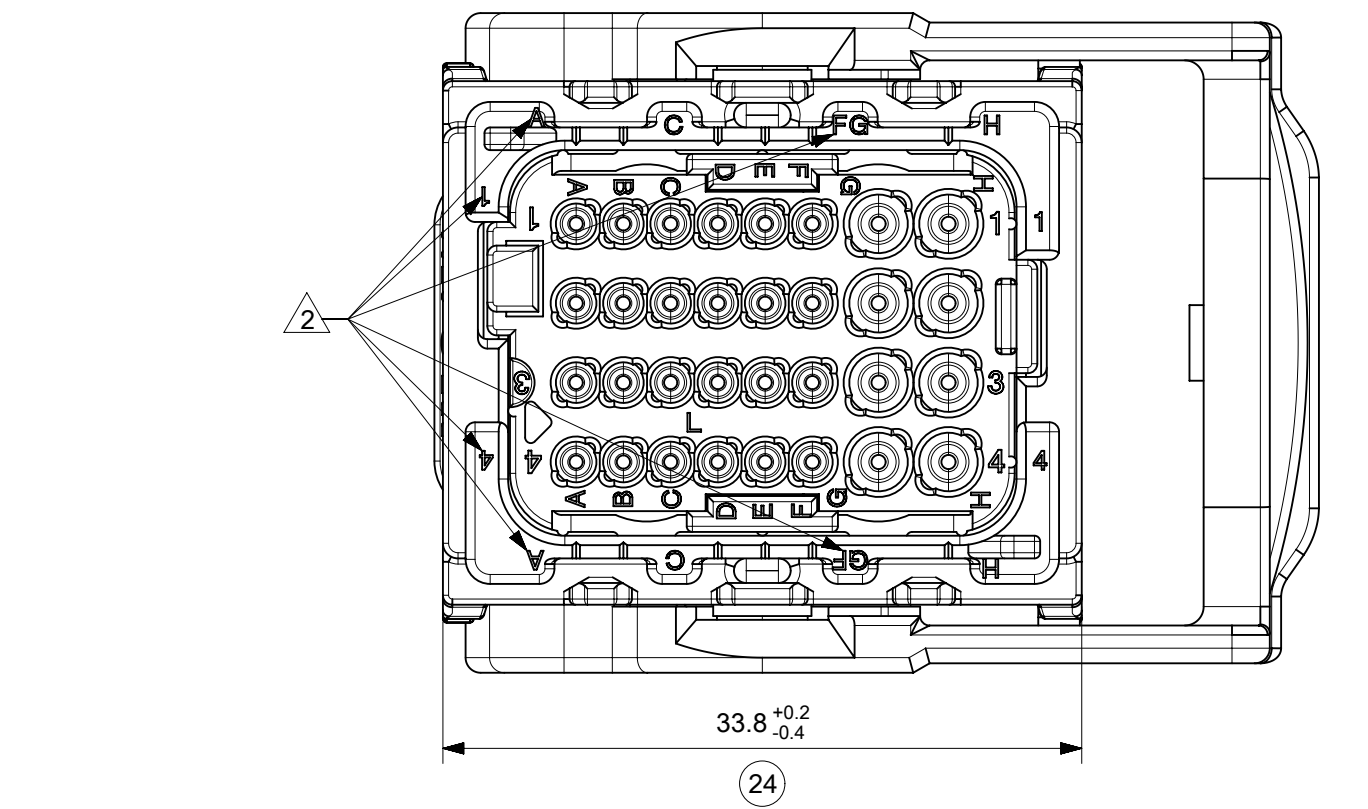
施工工具

全局

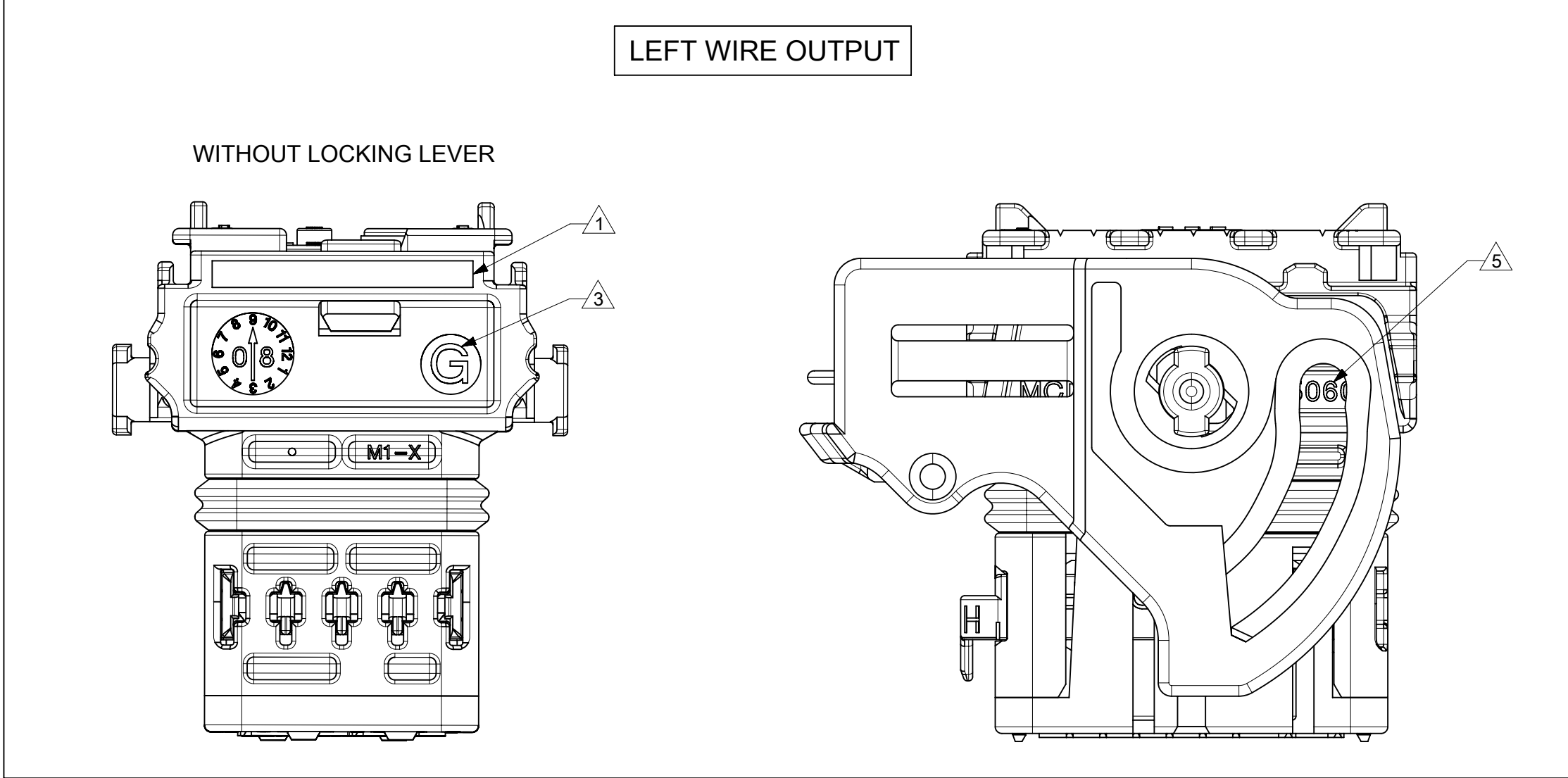
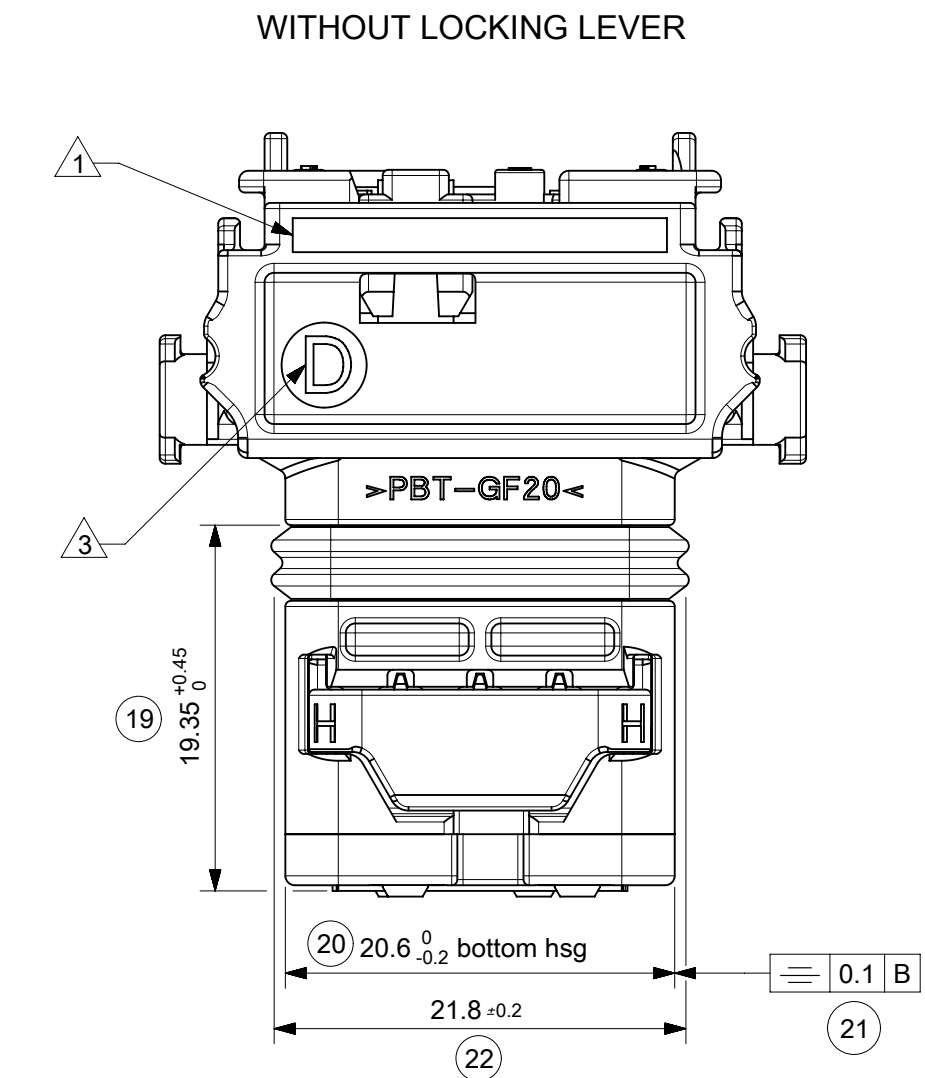
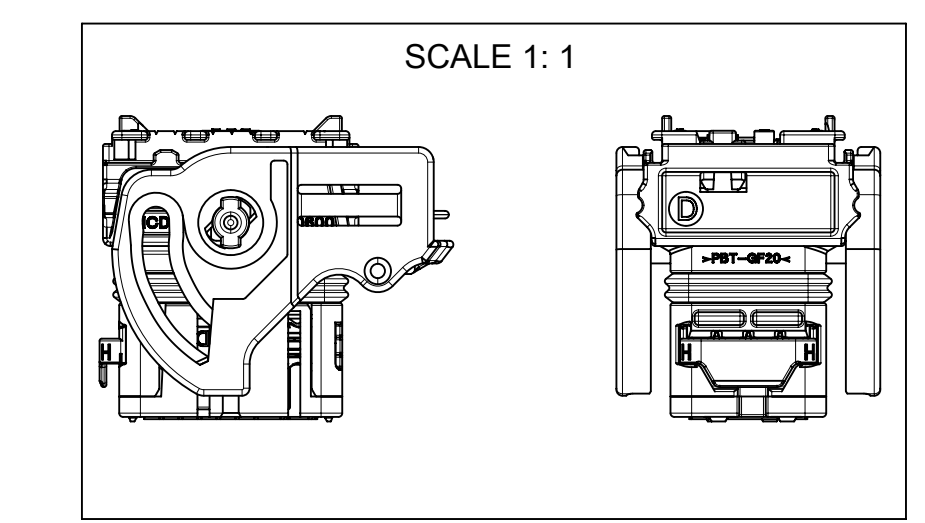
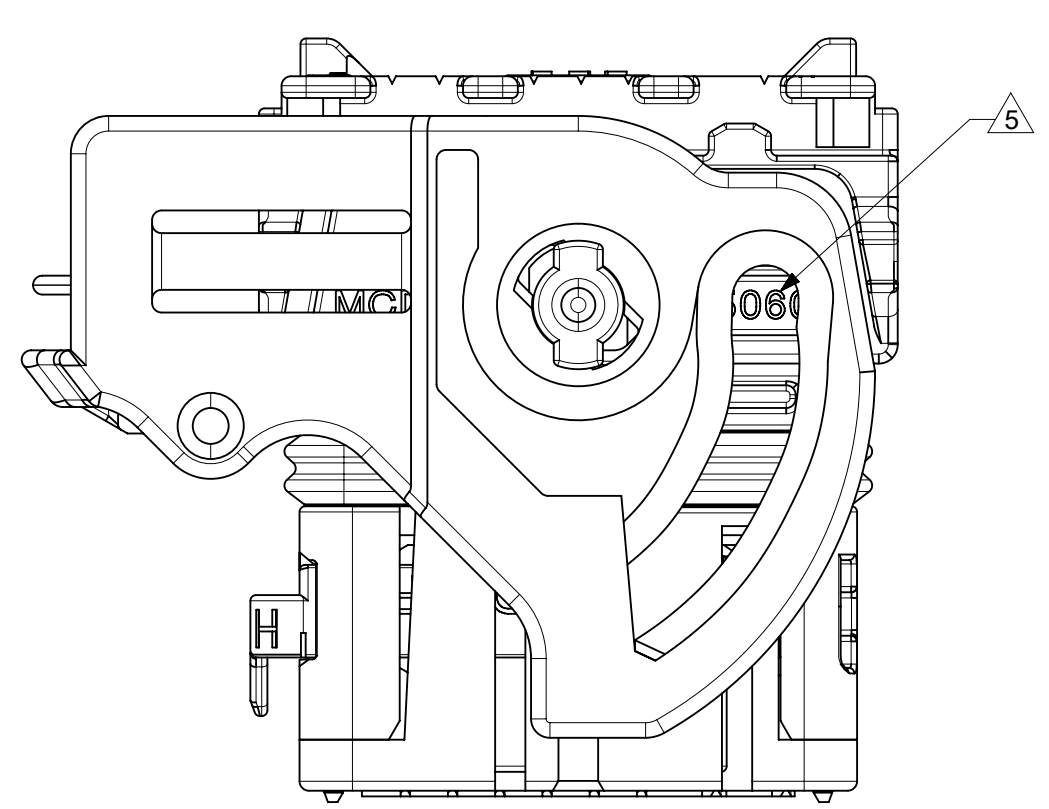
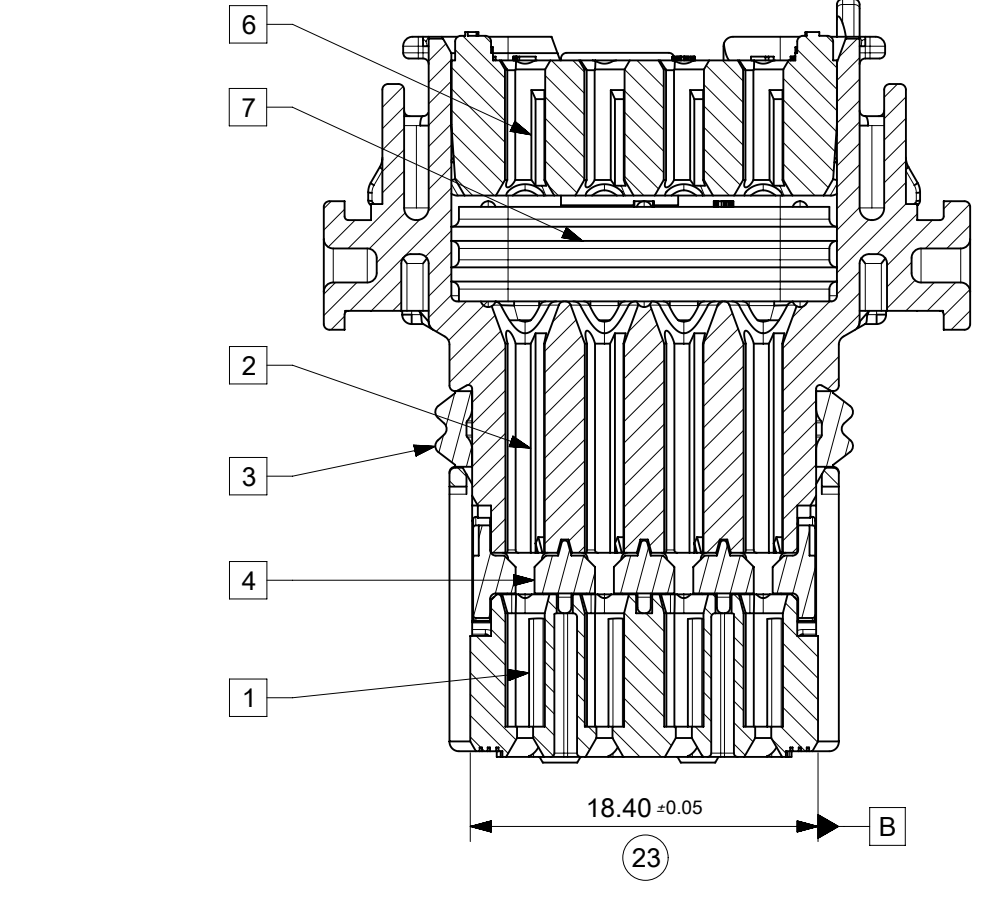
描述	产品编号
Continuity Test Pen Assembly	<u>0638121100</u>
Unlocking Tool for CMC and CMX Receptacle Connector	<u>0638241200</u>



7	MAT SEAL	Silicon	RED
6	BACK GRID 32W	>PBT-GF20<	GREY
5	LOCKING LEVER 32W	>PBT-GF30<	BLACK
4	SECONDARY LOCK	>PBT-GF20<	GREEN
3	PERIPHERAL SEAL 32W	Silicon	BLUE
2	BACK PART	>PBT-GF20<	BLACK
1	FRONT PART	>PBT-GF20<	COLOR LINKED TO KEYING
POS.	DESIGNATION	MATERIAL	COLOR



MARKINGS :
- Assembled part traceability: Year + Day
- Terminal cavities identification
- Lever position indicator: "D" LETTER VISIBLE = "RIGHT WIRE OUTPUT" "G" LETTER VISIBLE = "LEFT WIRE OUTPUT"
- Supplier identification
- Material identification



LEFT WIRE OUTPUT	
MATERIAL NUMBER	COLOR
0643191211	BLACK
0643191218	GREY
0643191219	BROWN
0643191216	BLUE

RIGHT WIRE OUTPUT	
MATERIAL NUMBER	COLOR
0643193211	BLACK
0643193218	GREY
0643193219	BROWN
0643193216	BLUE

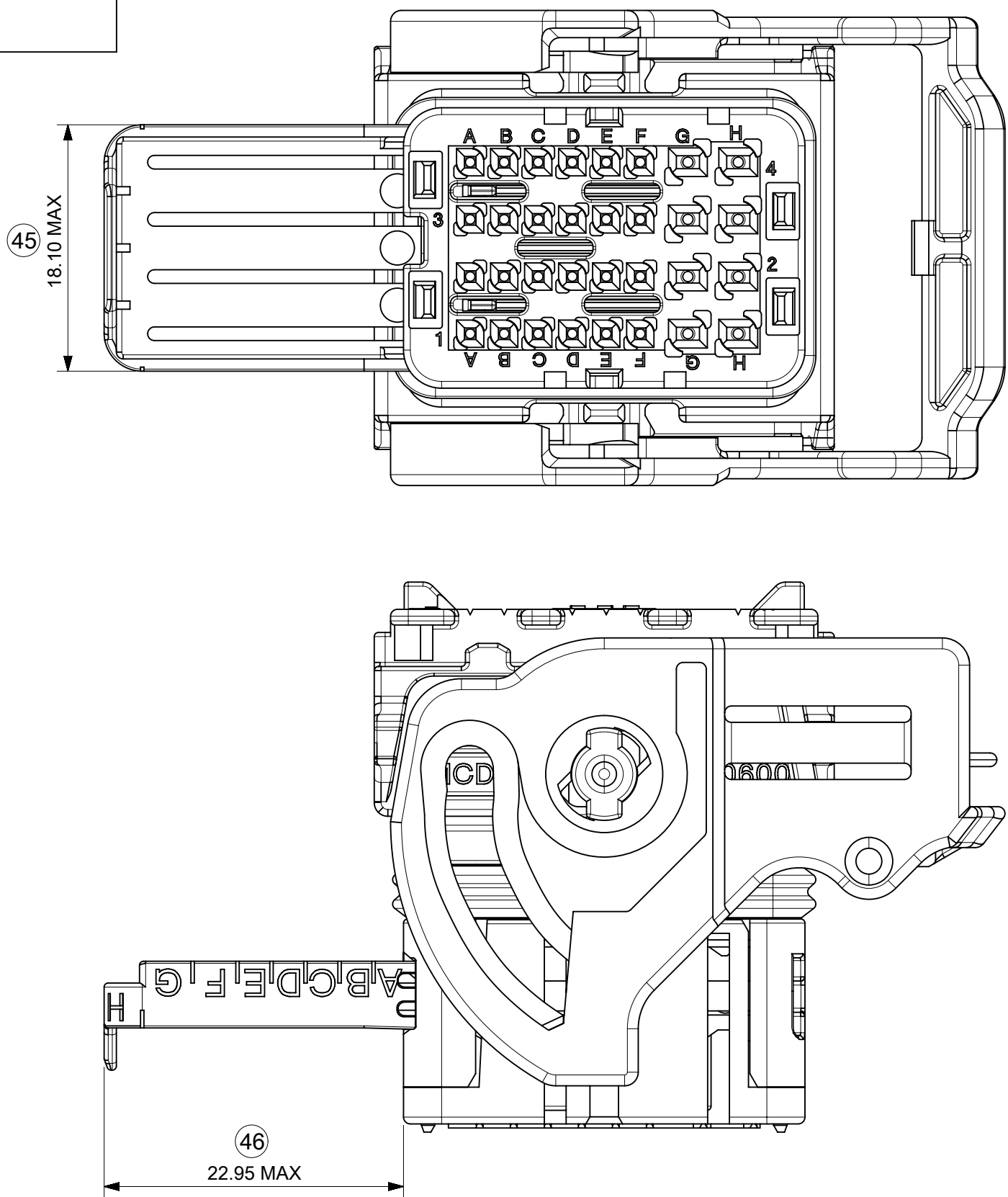
- NOTES:
- 1-FOR ILLUSTRATION PURPOSE THE FEMALE HOUSING SHOWN IS THE RIGHT WIRE OUTPUT VERSION CODING 1
- 2-APPLICATION SPECIFICATION: AS-64319-002
- 3-WIRES EXTERNAL DIAMETER USED:
FOR CP0.6 TERMINAL: USE WIRES WITH AN EXTERNAL DIAMETER BETWEEN Ø1.25MM MIN AND Ø1.90MM MAX
FOR CP1.5 TERMINAL: USE WIRES WITH AN EXTERNAL DIAMETER BETWEEN Ø1.40MM MIN AND Ø2.80MM MAX
- 4-THE CONNECTOR FITS WITH WIRE CAP (32 WAY) MOLEX P/N 0643191201
- 5-BLIND PLUG FOR CP 0.6 AND 1.5 CAVITIES (MOLEX P/N 0643251010 AND 0643251023) MUST BE USED ON THIS PART
- 6-DELIVERED PRODUCT WEIGHT: 27.6 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 32 WAY MAT SEAL VERSION							
ANGULAR TOL ± 2°											
4 PLACES		± 0.1		EC NO: 625008 DRWN: PBOSQUAIN 2019/09/02 CHK'D: CBOUCHAN 2019/10/02 APPR: SLAFAURE 2019/10/07							
3 PLACES		± 0.1									
2 PLACES		± 0.1		PRODUCT CUSTOMER DRAWING							
1 PLACE		± 0.1									
0 PLACES		±		DOCUMENT NUMBER SD-64319-001 DOC TYPE PSD DOC PART 001 REVISION J2							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
FIRST ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
		A1-SIZE		64319		SEE TABLE		GENERAL MARKET		1 OF 2	

DOCUMENT STATUS	P1	RELEASE DATE	2019/10/07	06:45:27
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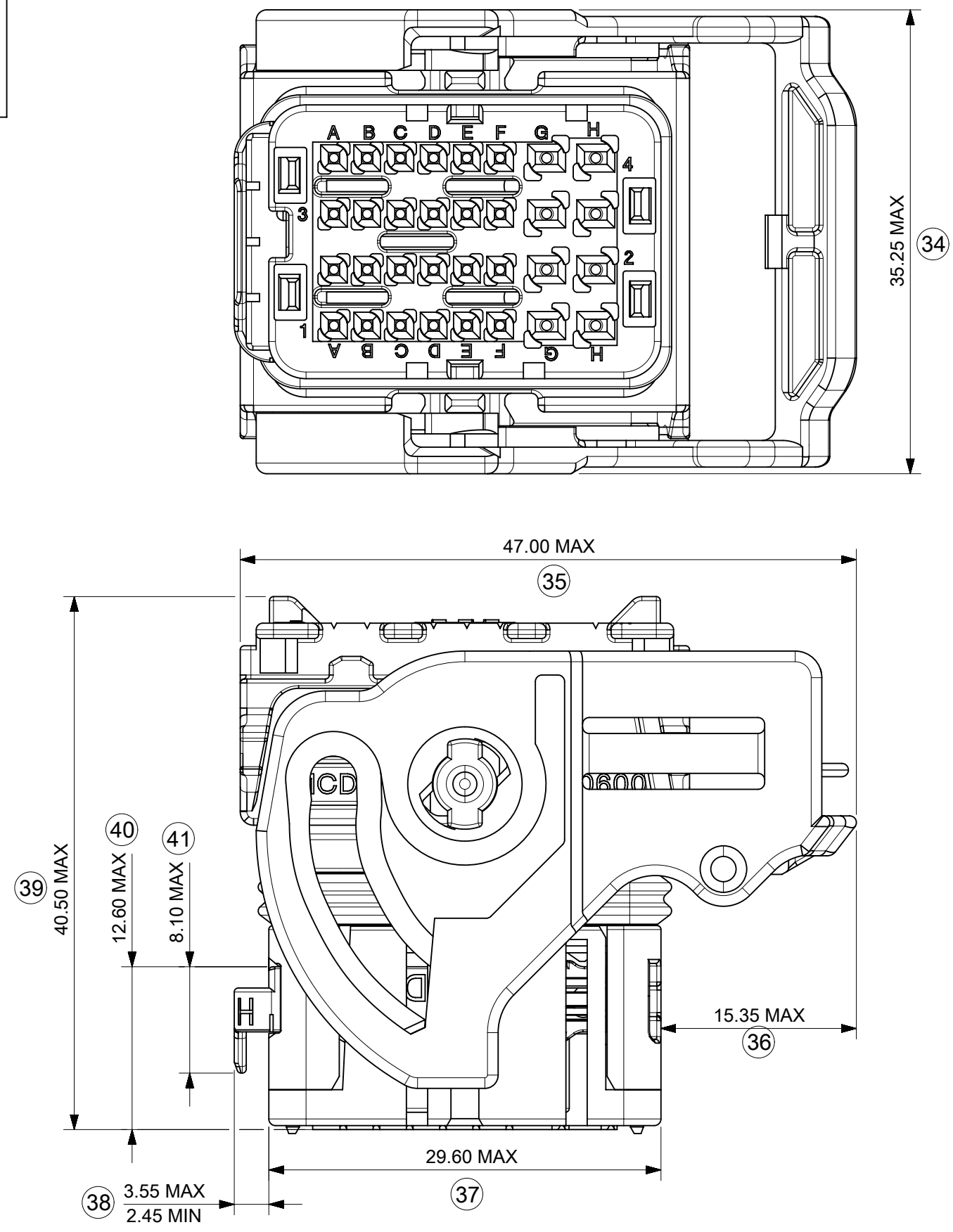
CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING FULLY OPENED
FOR TERMINALS INSERTION

RIGHT WIRE OUTPUT

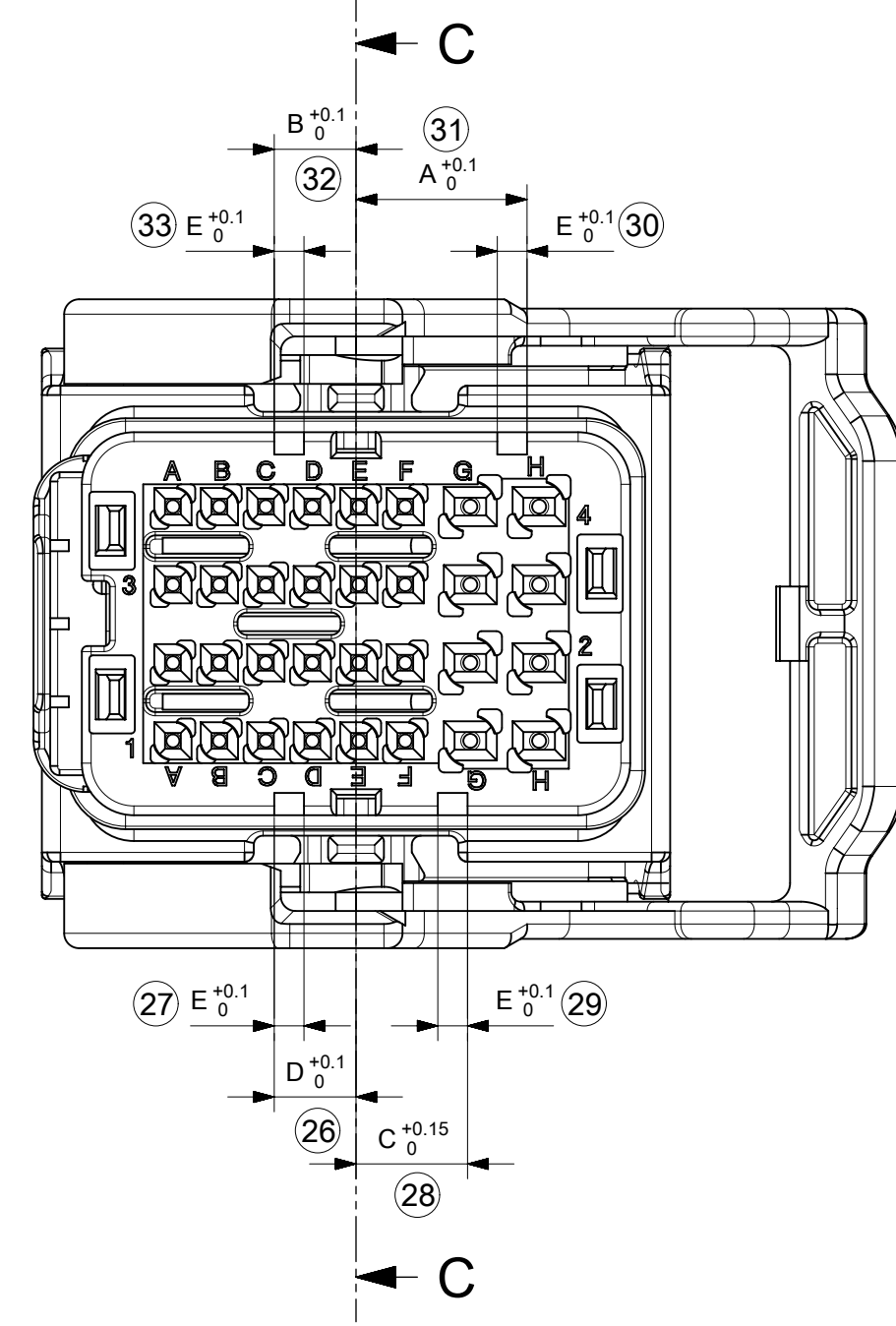


CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING IN DELIVERY
POSITION

RIGHT WIRE OUTPUT

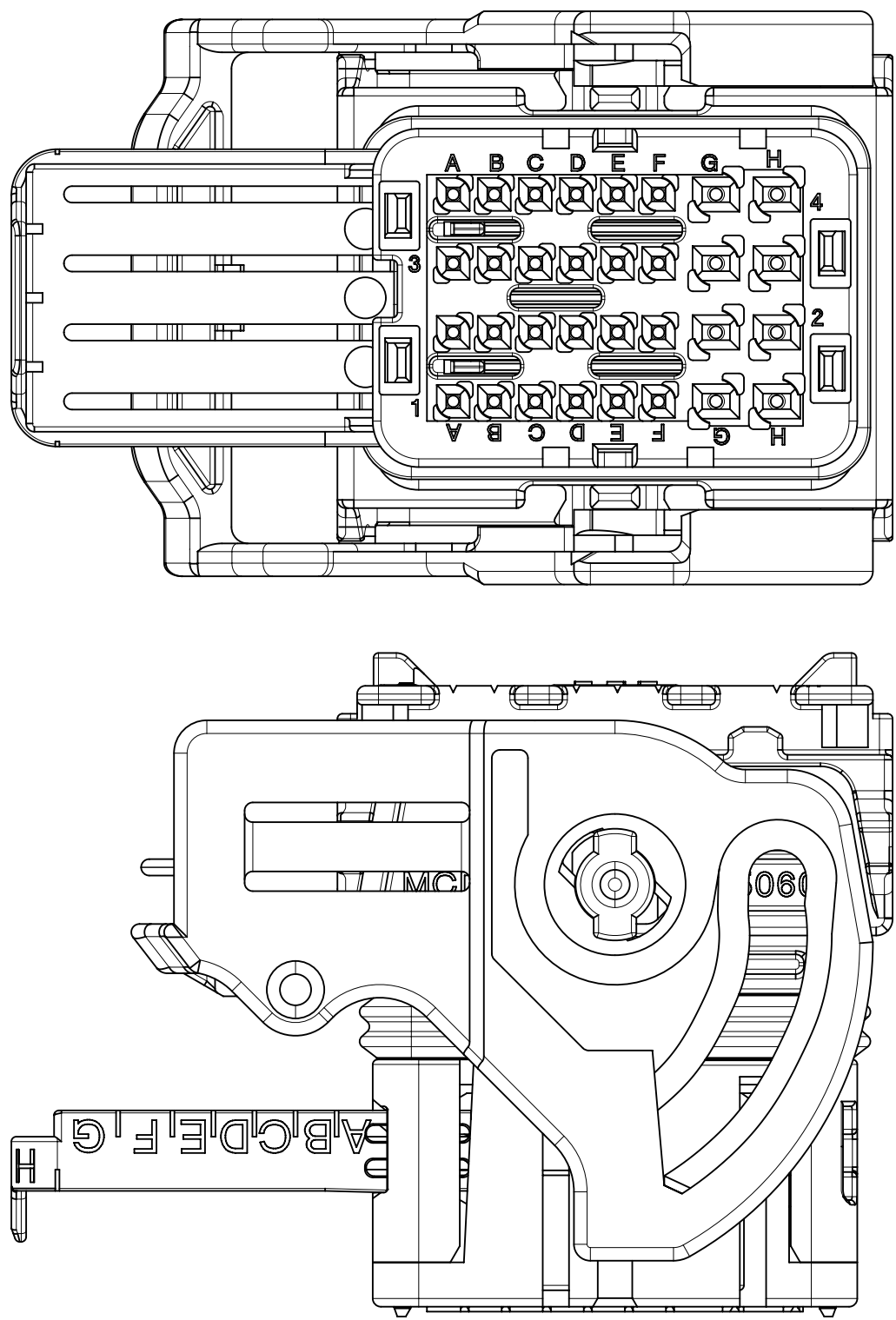


CODING POSITION



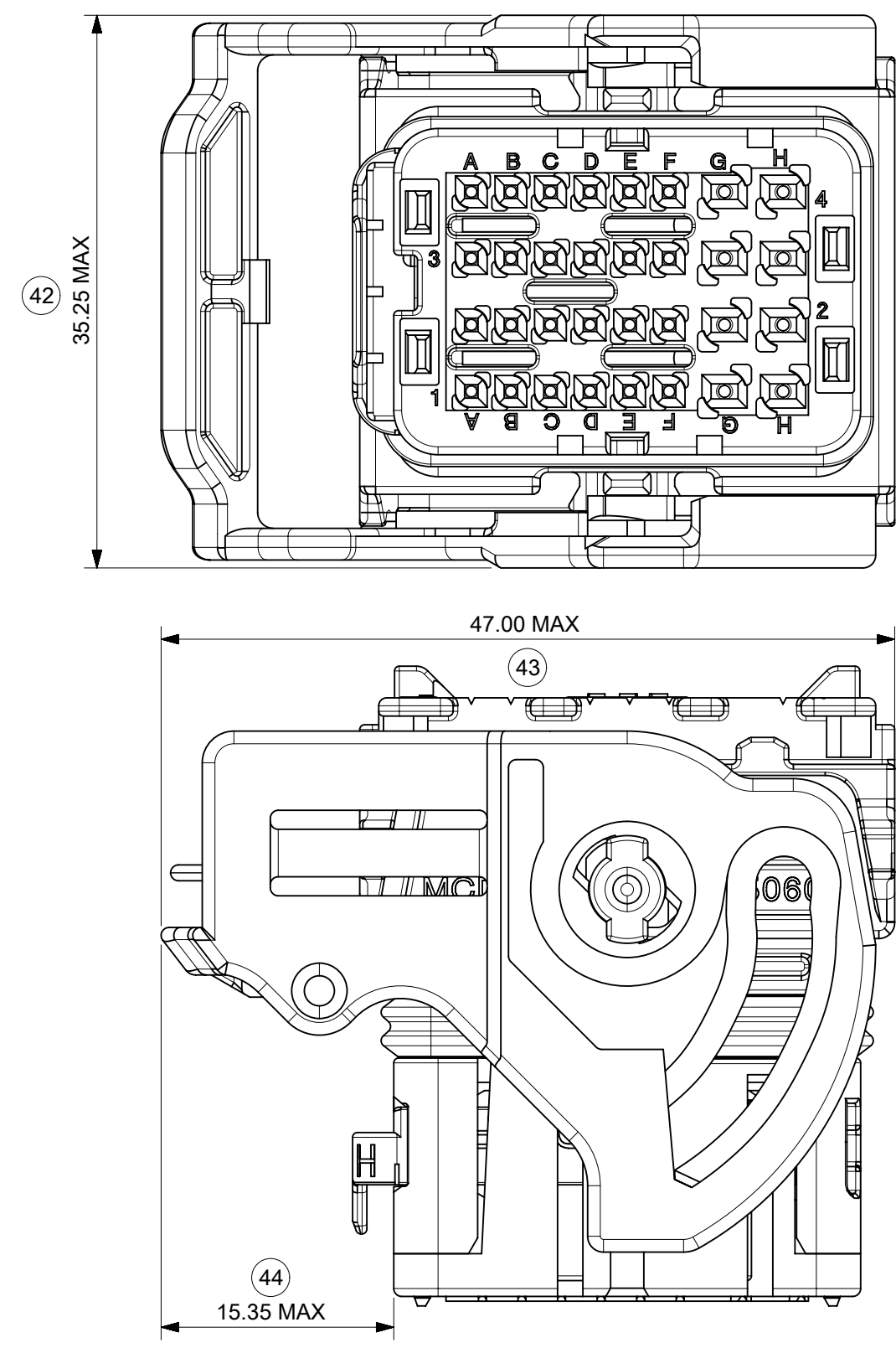
CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING FULLY OPENED
FOR TERMINALS INSERTION

LEFT WIRE OUTPUT

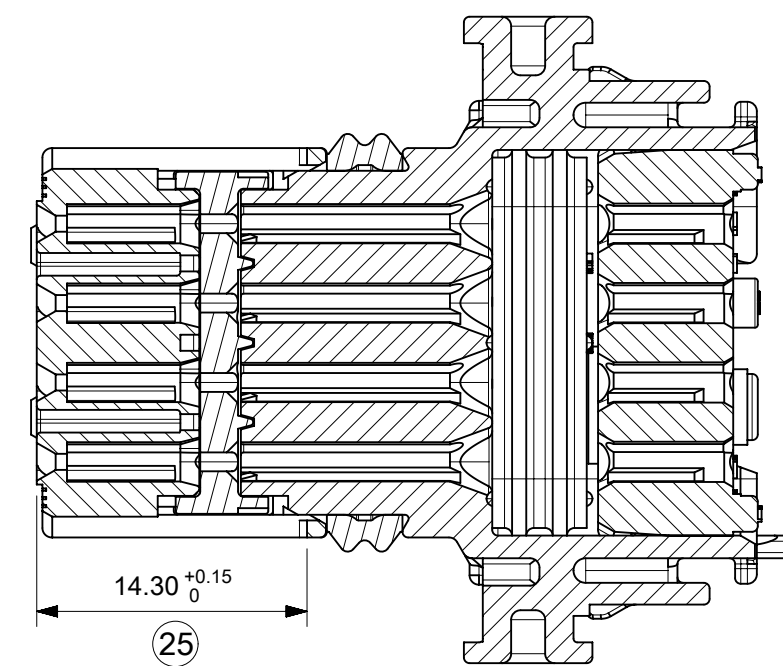


CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING IN DELIVERY
POSITION

LEFT WIRE OUTPUT



SECTION C-C
LOCKING LEVER NOT SHOWN



COLOR	CODING	A	B	C	D	E
BLACK	1	9.2	4.4	6	4.4	1.6
GREY	2	7.6	6	9.2	6	1.6
BROWN	3	6	7.6	9.2	9.2	1.6
BLUE	5	4.4	7.6	6	6	1.6

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	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	
G1 to G4 H1 to H4	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>molex</div> <div>CMC CONNECTOR 32 WAY MAT SEAL VERSION</div>				
mm		2.5:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)											
ANGULAR TOL		±	2°	EC NO: 625008 DRWN: PBOSQUAIN 2019/09/02 CHK'D: CBOUCHAN 2019/10/02 APPR: SLAFAURE 2019/10/07 INITIAL REVISION: DRWN: TBADAROUX 2007/07/16 APPR: cbouchan 2007/07/16							
4 PLACES		±	0.1								
3 PLACES		±	0.1								
2 PLACES		±	0.1								
1 PLACE		±	0.1								
0 PLACES		±		PRODUCT CUSTOMER DRAWING <div>DOCUMENT NUMBERSD-64319-001DOC TYPEPSDDOC PART001REVISIONJ2</div>							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
FIRST ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
		A1-SIZE		64319		SEE TABLE		GENERAL MARKET		2 OF 2	