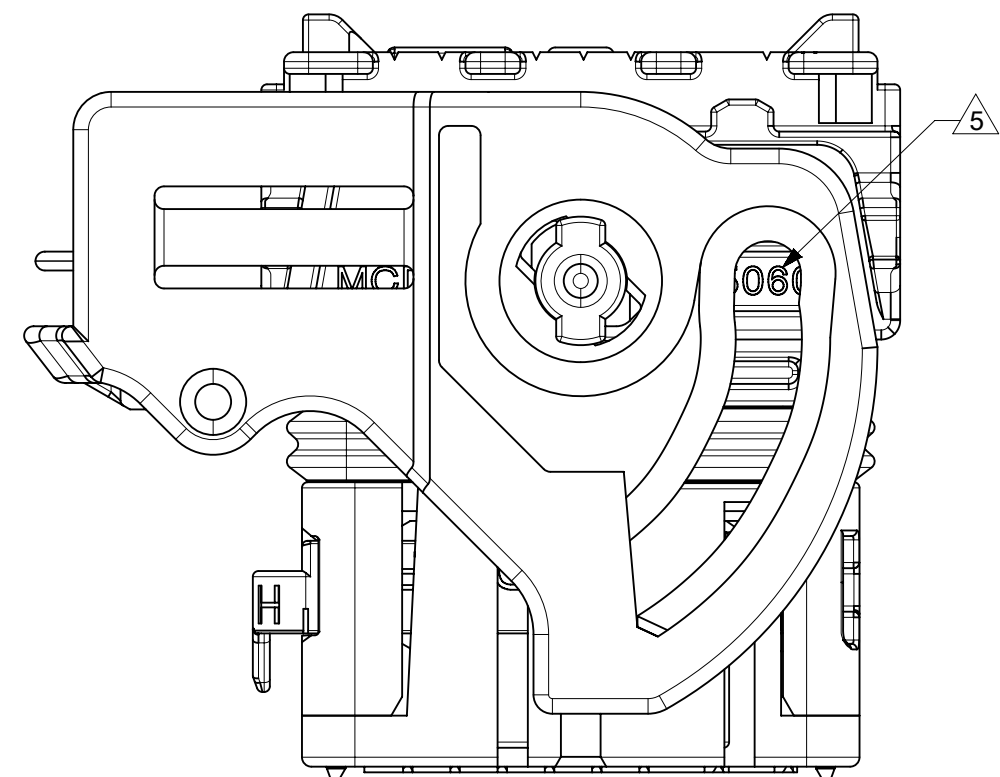
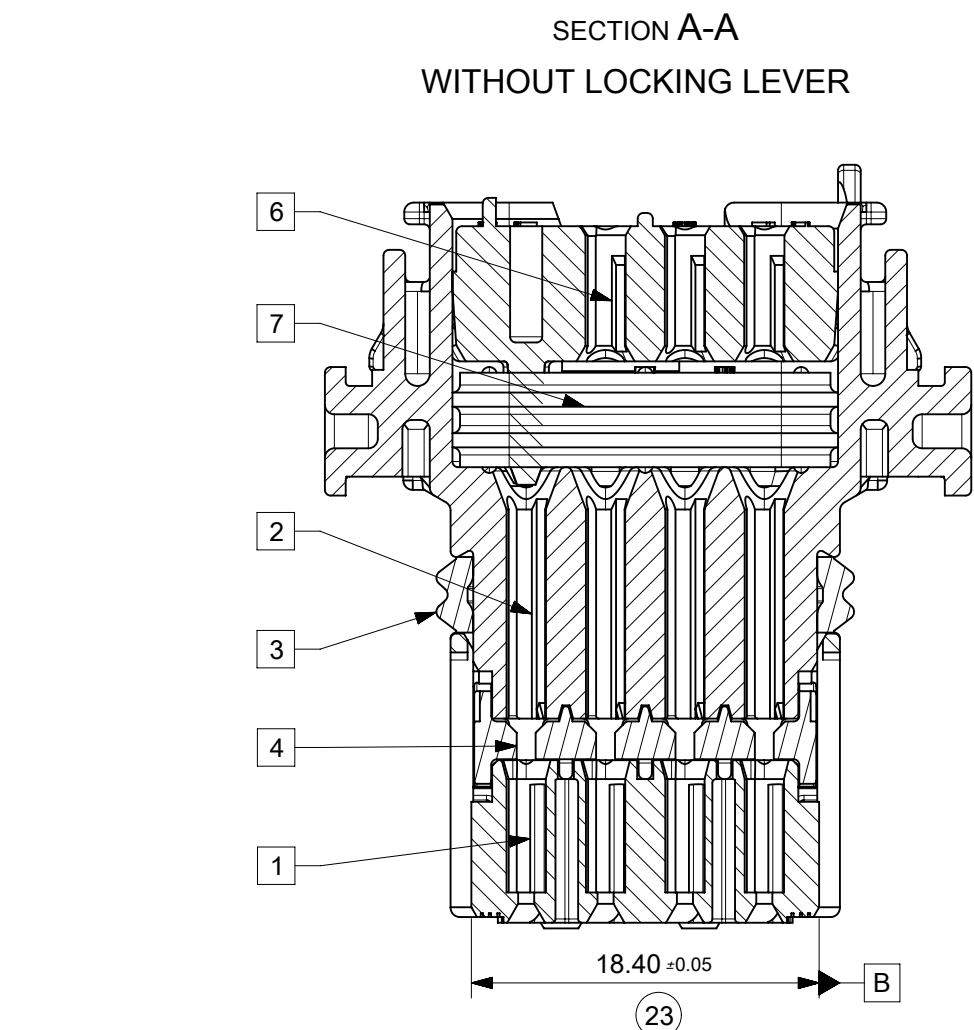
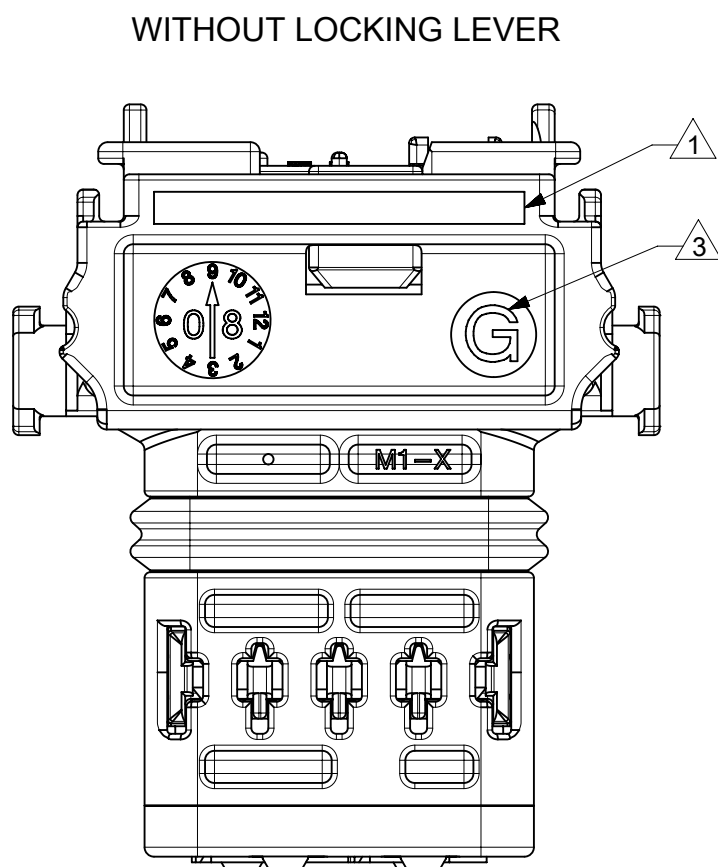
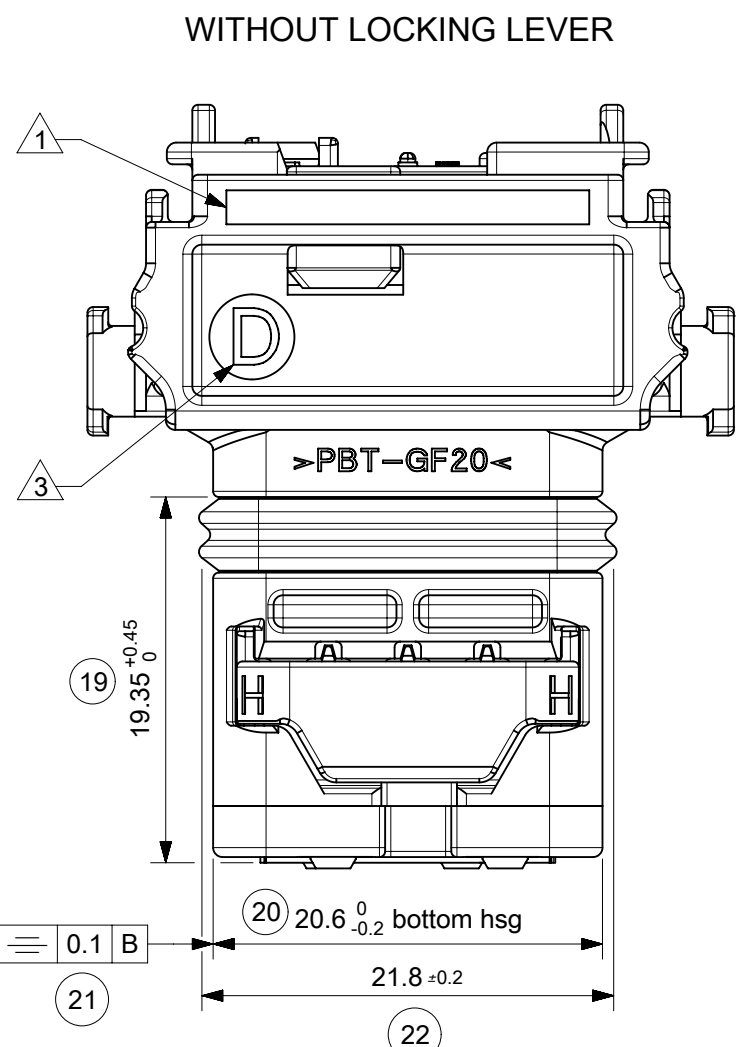
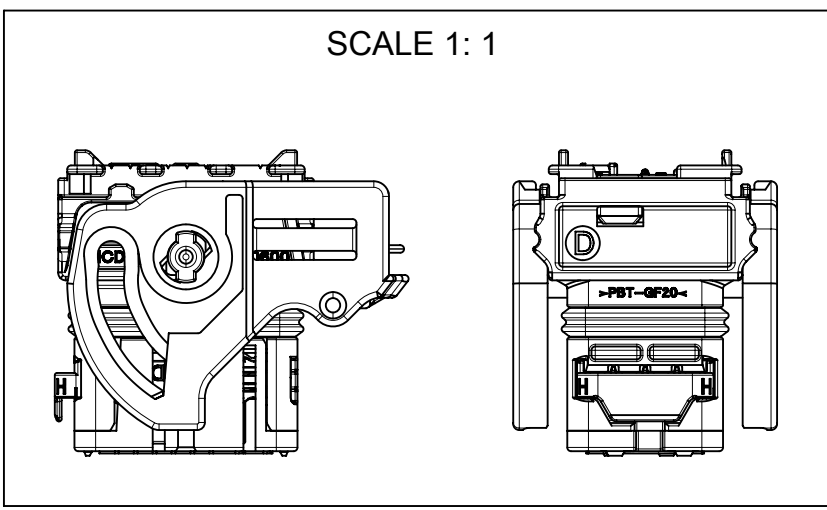
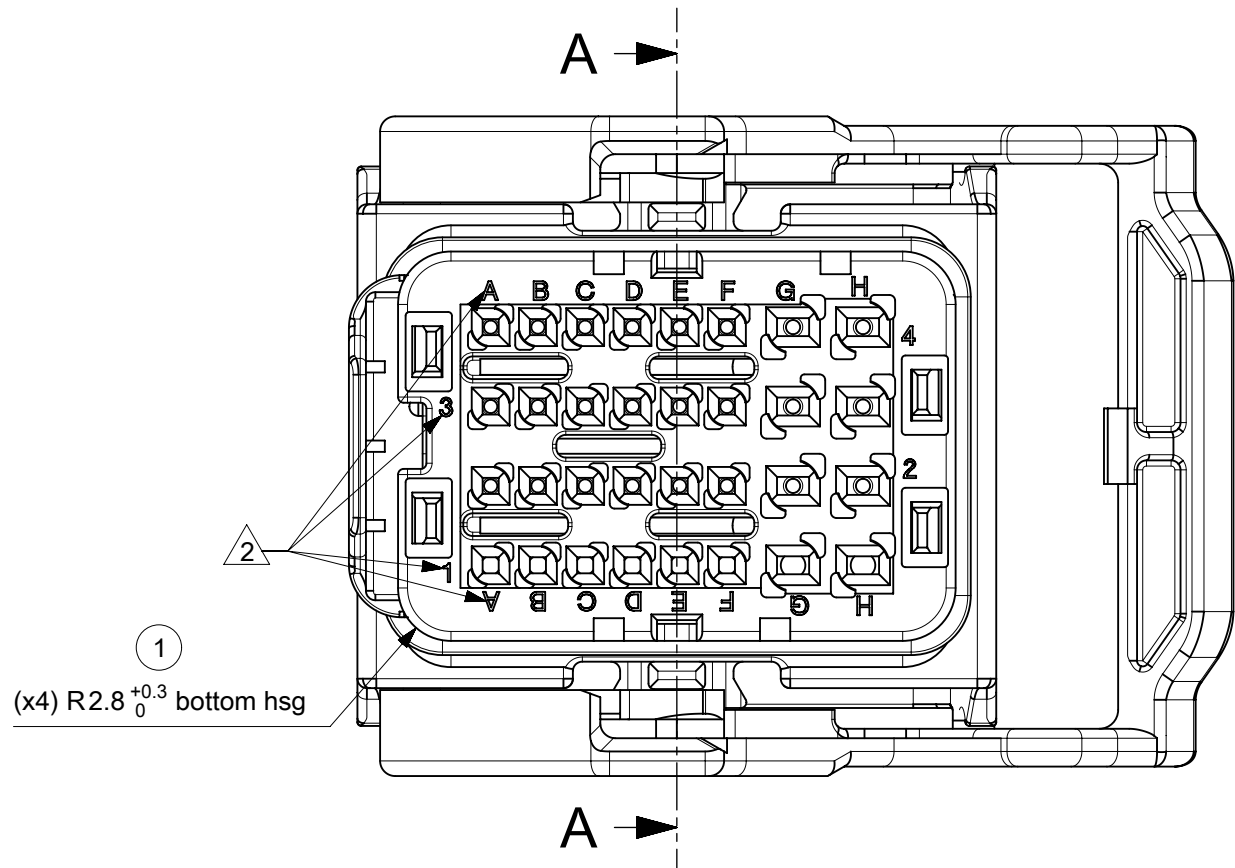
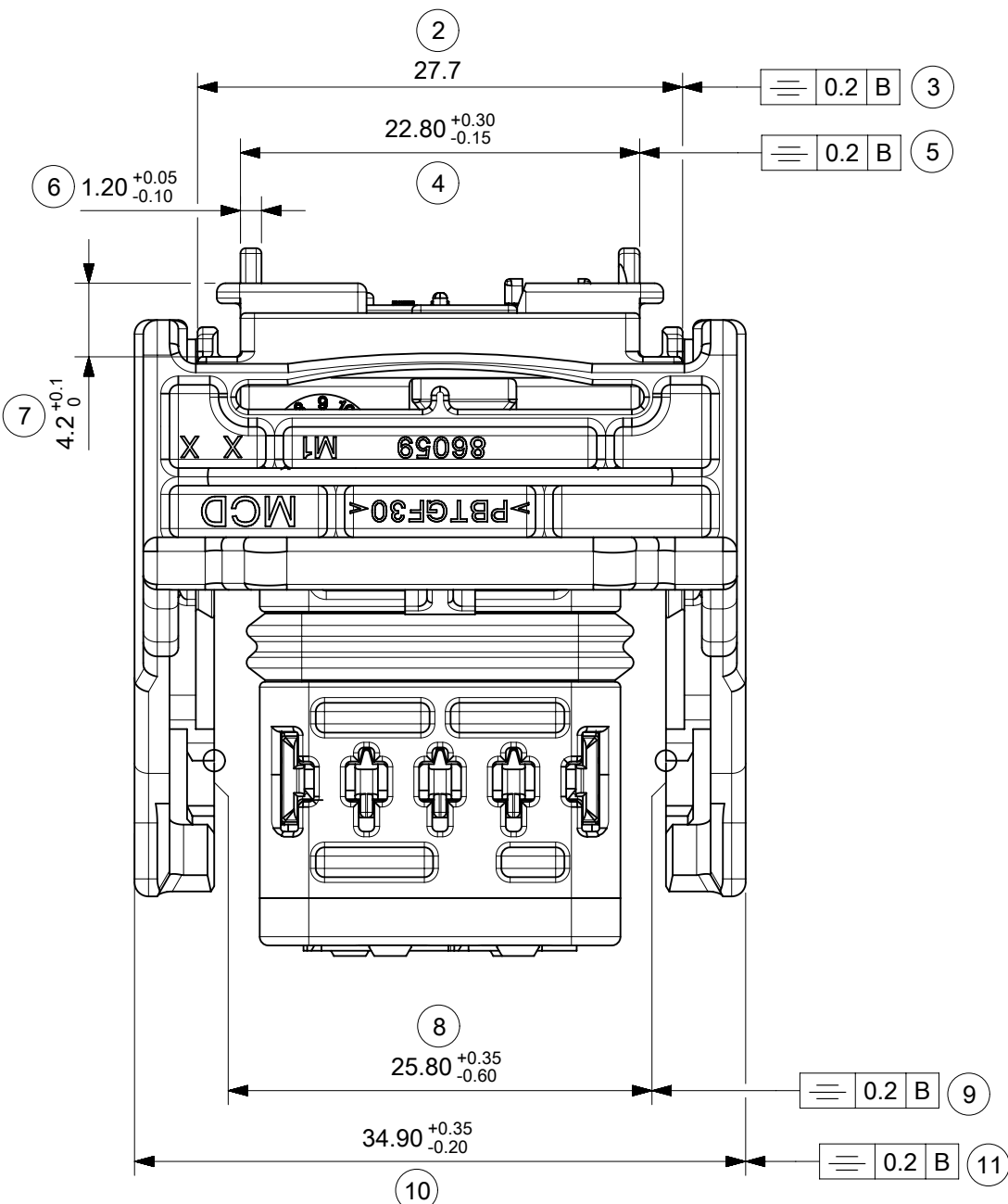
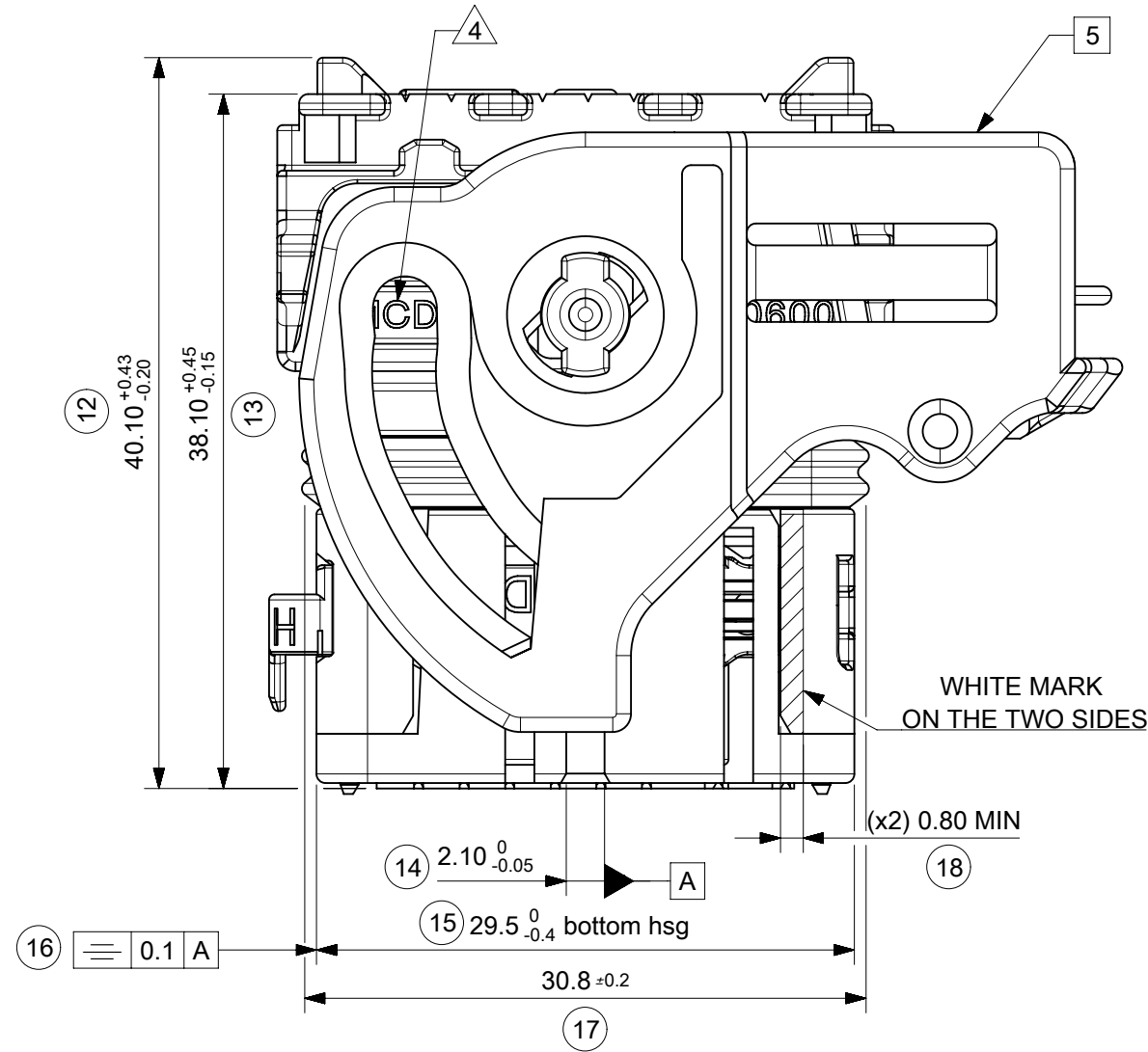
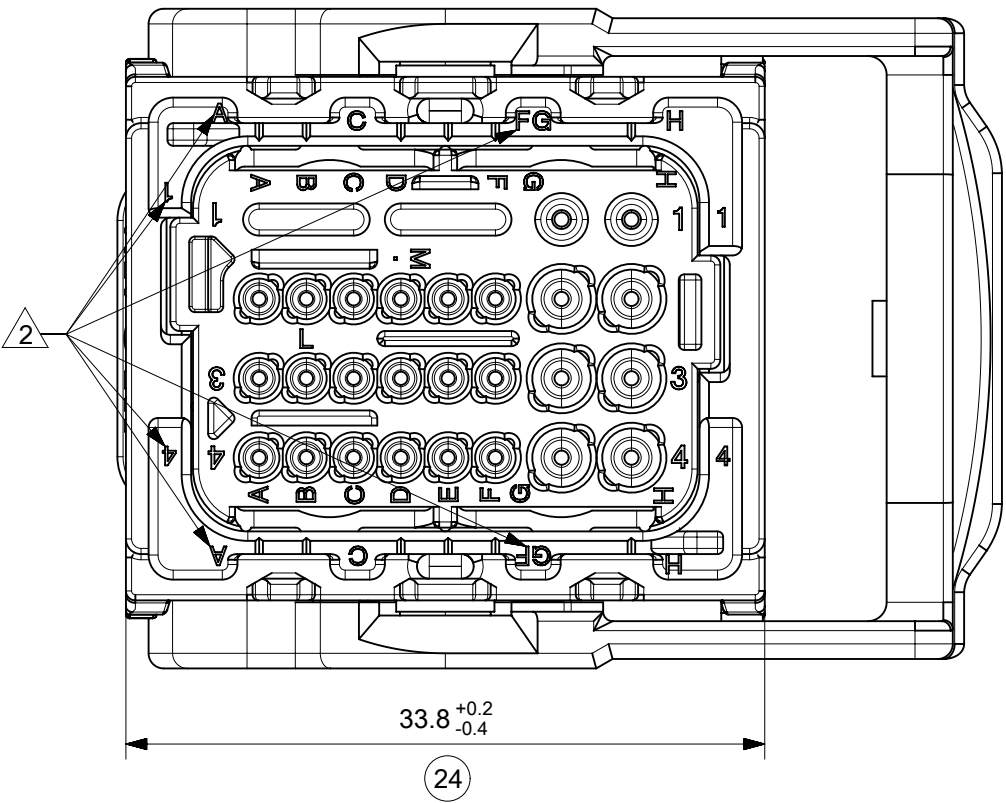


7	MAT SEAL	Silicon	RED
6	BACK GRID 24W	>PBT-GF20<	YELLOW
5	LOCKING LEVER 32W	>PBT-GF30<	BLACK
4	SECONDARY LOCK	>PBT-GF20<	GREEN
3	PERIPHERAL SEAL 32W	Silicon	BLUE
2	BACK PART	>PBT-GF20<	BLACK
1	FRONT PART	>PBT-GF20<	BLACK
POS.	DESIGNATION	MATERIAL	COLOR

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



RIGHT WIRE OUTPUT	
MATERIAL NUMBER	COLOR
0643194211	BLACK

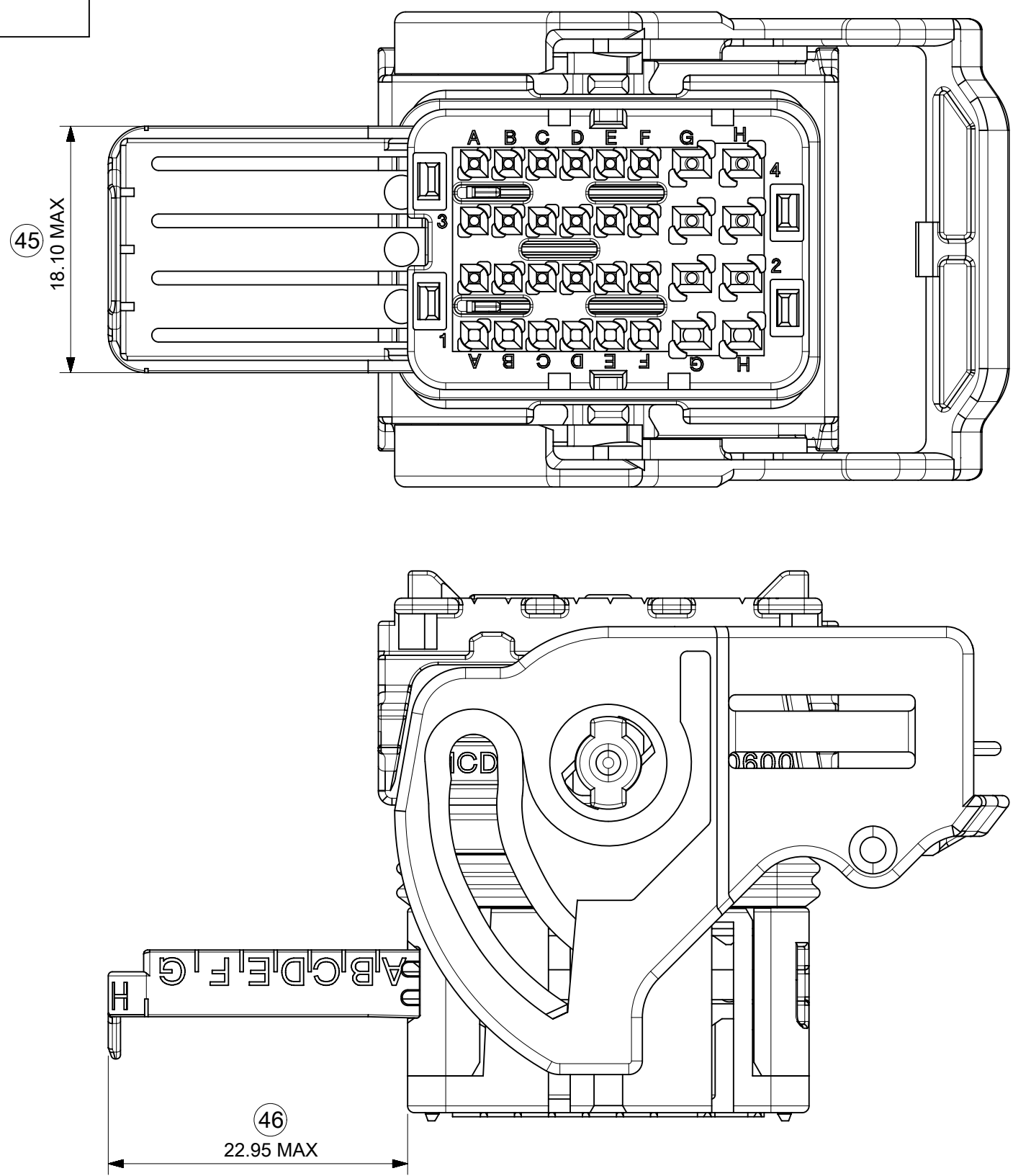
LEFT WIRE OUTPUT	
MATERIAL NUMBER	COLOR
0643192211	BLACK

- NOTES:
- FOR ILLUSTRATION PURPOSE THE FEMALE HOUSING SHOWN IS THE RIGHT WIRE OUTPUT
 - APPLICATION SPECIFICATION: AS-64319-002
 - 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
 - THE CONNECTOR FITS WITH WIRE CAP (32 WAY) MOLEX P/N 0643191201
 - BLIND PLUG FOR CP 0.6 AND 1.5 CAVITIES (MOLEX P/N 0643251010 AND 0643251023) MUST BE USED ON THIS PART
 - 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			molex					
mm		2.5:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)				CMC CONNECTOR 24 WAY MAT SEAL VERSION								
ANGULAR TOL ± 2.0°												
4 PLACES		±		INITIAL REVISION:								
3 PLACES		±										
2 PLACES		± 0.1		PRODUCT CUSTOMER DRAWING								
1 PLACE		± 0.1										
0 PLACES		±		DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				643190003			PSD	000	A			
				FIRST ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
				A1-SIZE		64319		SEE TABLE		GENERAL MARKET		1 OF 2

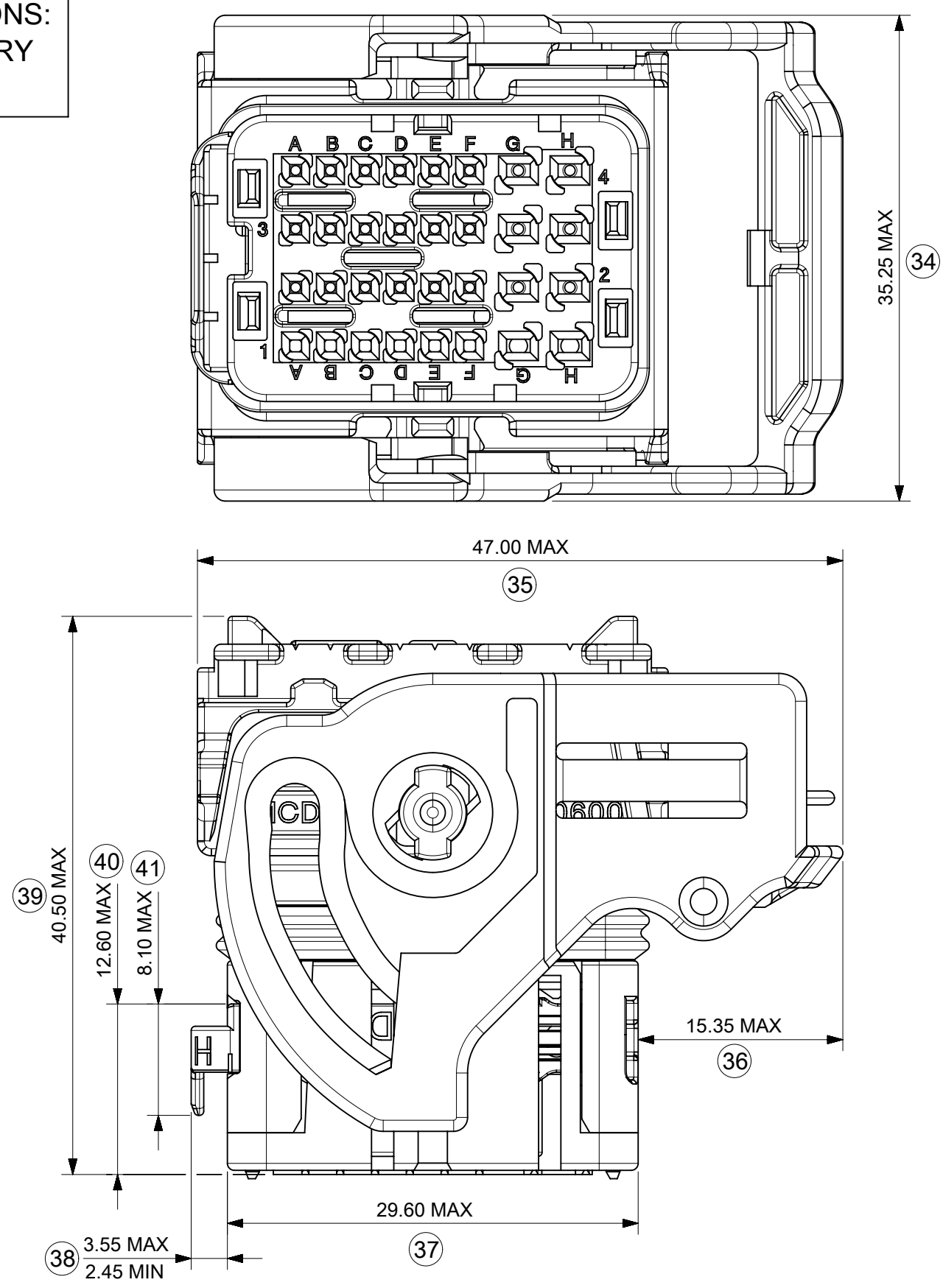
CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING FULLY OPENED
FOR TERMINALS INSERTION

RIGHT WIRE OUTPUT

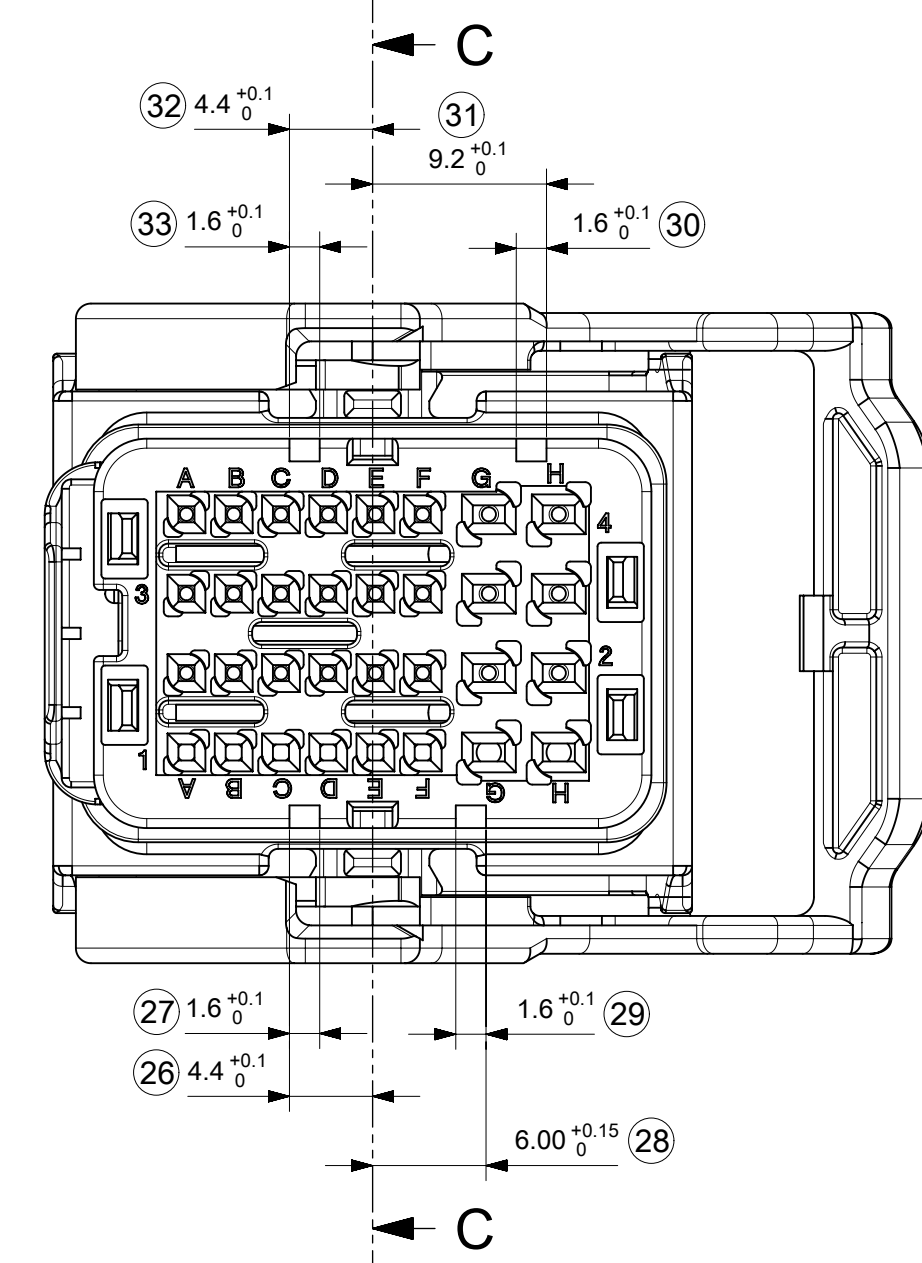


CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING IN DELIVERY
POSITION

RIGHT WIRE OUTPUT

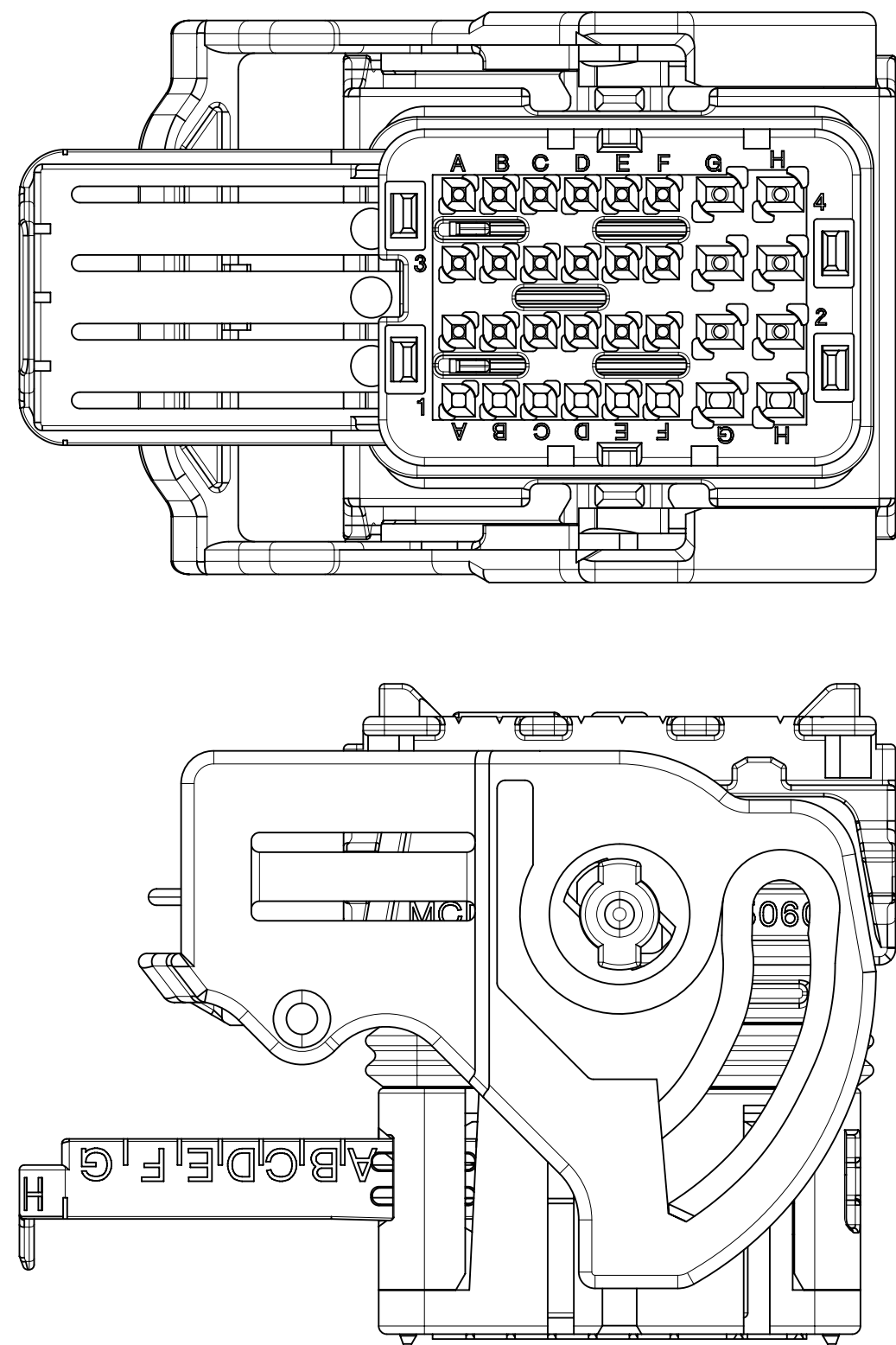


CODING POSITION



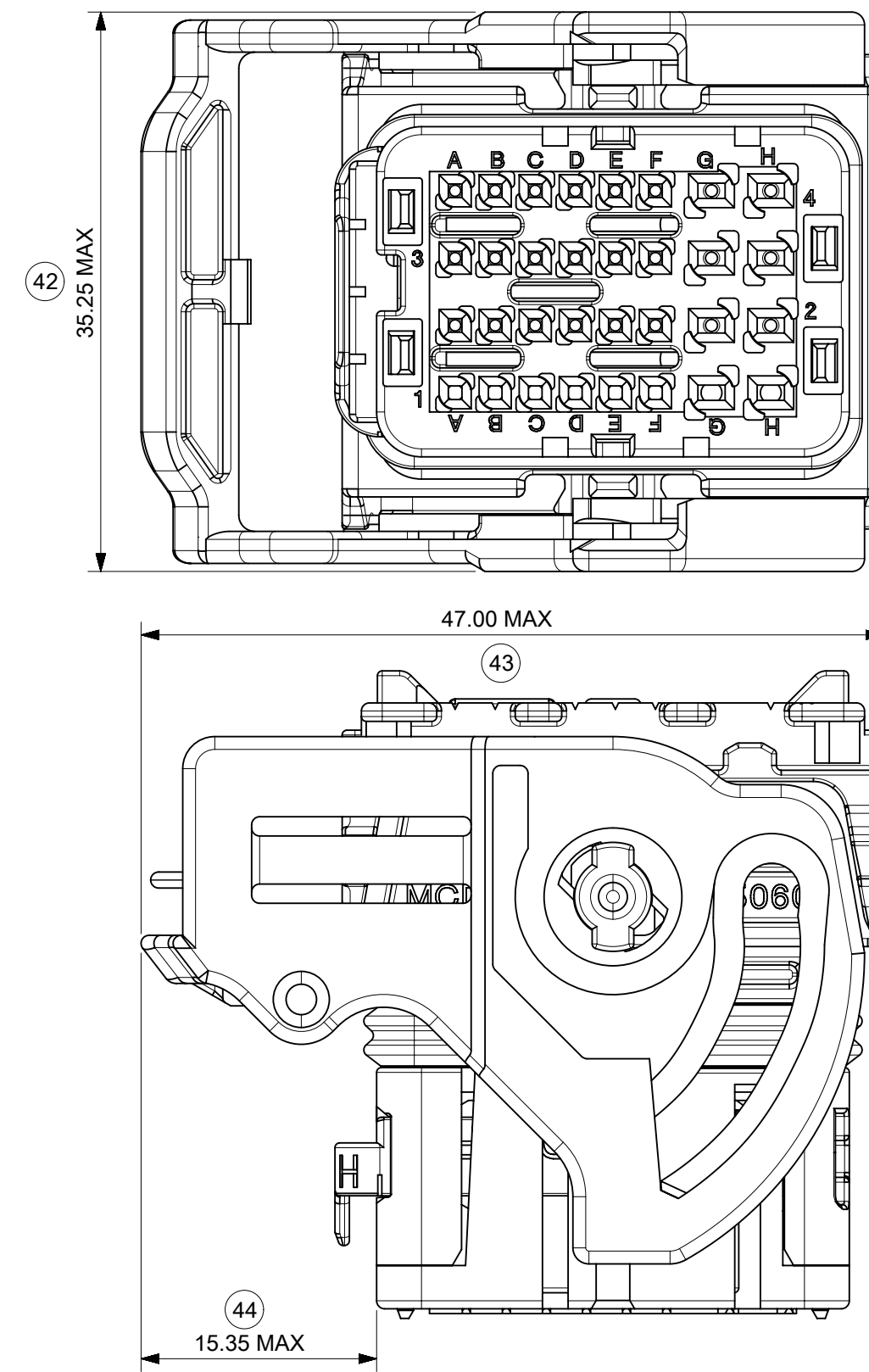
CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING FULLY OPENED
FOR TERMINALS INSERTION

LEFT WIRE OUTPUT

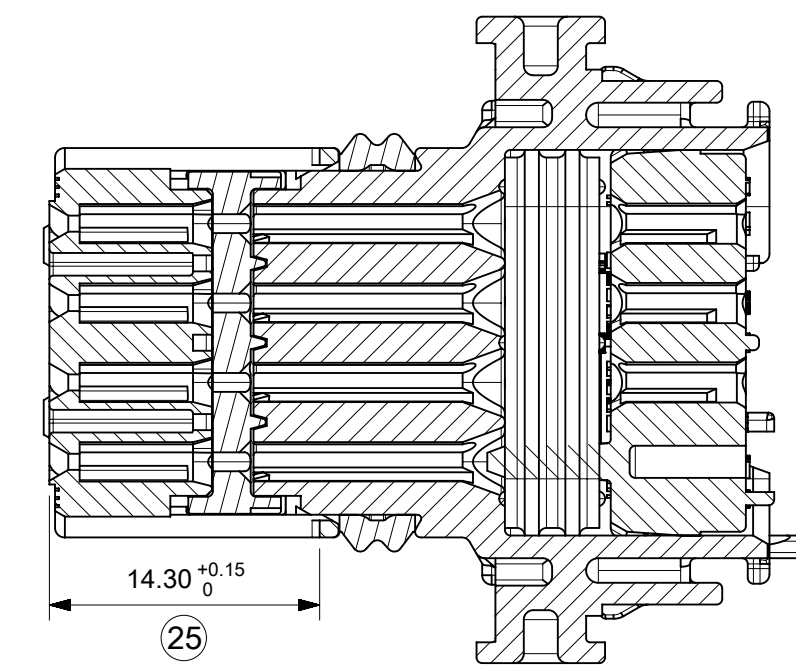


CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING IN DELIVERY
POSITION

LEFT WIRE OUTPUT



SECTION C-C
LOCKING LEVER NOT SHOWN



DOCUMENT STATUS	P1	RELEASE DATE	2019/10/07 06:45:27
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TERMINALS USED				
CAVITY N°	FEMALE TERMINALS (Section mm2)	PLATING	MOLEX P/N	min / MAX WIRE INSULATION DIAMETER (mm)
A2 to A4 B2 to B4 C2 to C4 D2 to D4 E2 to E4 F2 to F4	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	
G2 to G4 H2 to H4	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	

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				molex					
mm		2.5:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 625008 DRWN: PBOSQUAIN 2019/09/11 CHK'D: CBOUCHAN 2019/10/02 APPR: SLAFAURE 2019/10/07				CMC CONNECTOR 24 WAY MAT SEAL VERSION					
ANGULAR TOL ± 2.0 °													
4 PLACES		±											
3 PLACES		±											
2 PLACES		± 0.1											
1 PLACE		± 0.1		INITIAL REVISION: DRWN: PBOSQUAIN 2019/09/11 APPR: SLAFAURE 2019/10/07				DOCUMENT NUMBER 643190003		DOC TYPE PSD	DOC PART 000	REVISION A	
0 PLACES		±											
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	

M

L

K

J

I

H

G

F

E

D

C

B

A

M

L

K

J

I

H

G

F

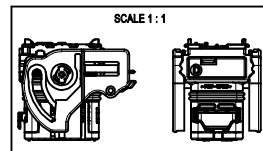
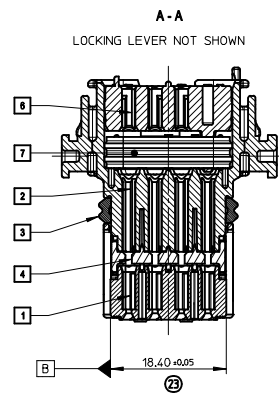
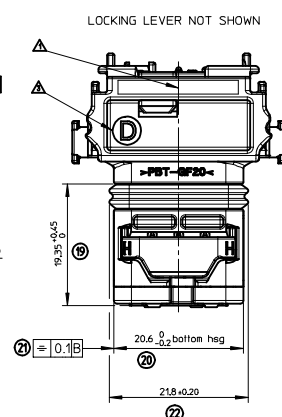
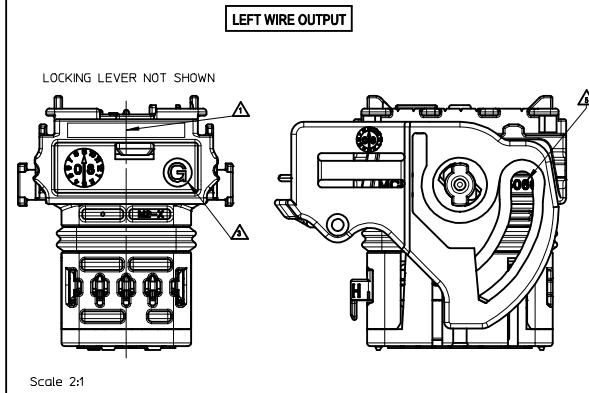
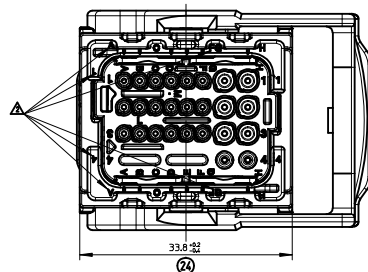
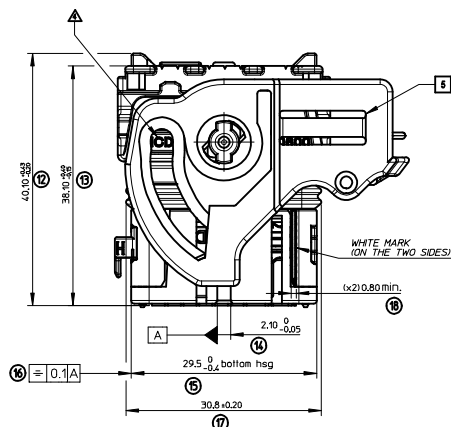
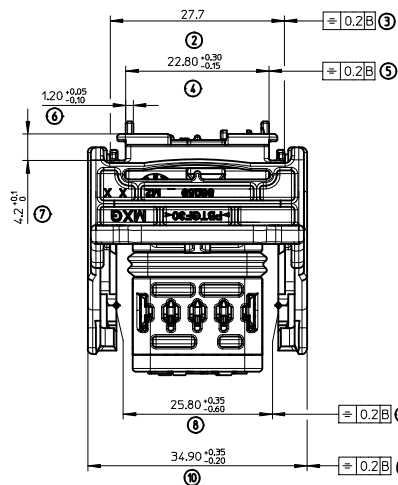
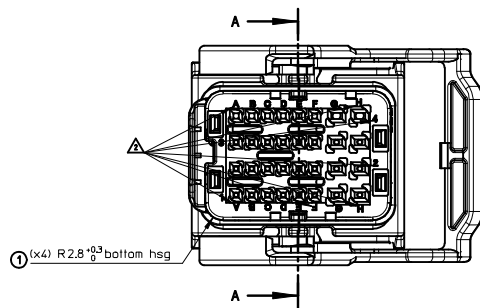
E

D

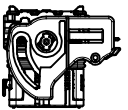
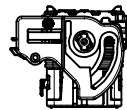
C

B

A



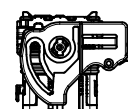
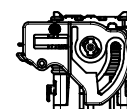
LINE N°1 CLOSED
YELLOW BACK GRID VERSION



LEFT WIRE OUTPUT	
MATERIAL NUMBER	COLOR
0643192211	BLACK

RIGHT WIRE OUTPUT	
MATERIAL NUMBER	COLOR
0643194211	BLACK

LINE N°4 CLOSED
GREEN BACK GRID VERSION



LEFT WIRE OUTPUT	
MATERIAL NUMBER	COLOR
0643192218	GREY

RIGHT WIRE OUTPUT	
MATERIAL NUMBER	COLOR
0643194218	GREY

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 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
- THE CONNECTOR FITS WITH WIRE CAP (32 WAY) MOLEX P/N 0643191201
- BLIND PLUG FOR 0.6 AND 1.5 CAVITIES (MOLEX P/N 0643251010 AND 0643251023) MUST BE USED ON THIS PART.
- DELIVERED PRODUCT WEIGHT: 27.6 g

DESIGNATION	MATERIAL	COLOR
MAT SEAL	Silicon	RED
BACK GRID 24W	>PBT-GF20<	COLOR LINKED TO LINE CLOSED
LOCKING LEVER 32W	>PBT-GF30<	BLACK
SECONDARY LOCK	>PBT-GF20<	GREEN
PERIPHERAL SEAL 32W	Silicon	BLUE
BACK PART	>PBT-GF20<	BLACK
FRONT PART	>PBT-GF20<	COLOR LINKED TO KEYING

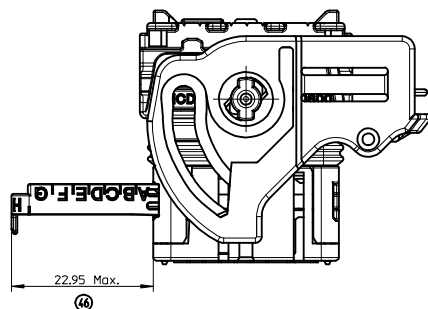
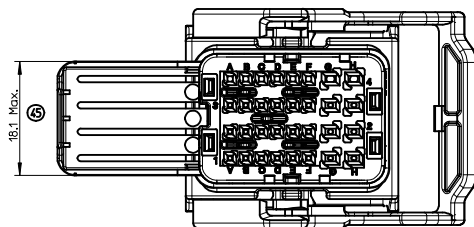
MARKINGS :

- 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

REVISED EC NO: G2017-0100 DRAWING: 2017/05/15 CHKD: CBOUCHAN APPR: SLAURE 2017/08/01	QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2.5:1	DESIGN UNITS METRIC	 FIRST ANGLE PROJECTION	TITLE CMC CONNECTOR 24 WAY MAT SEAL VERSION GENERIC molex	DOCUMENT NO. SD-64319-003	SHEET NO. 1 OF 2	
			mm	INCH	DRAWN BY T. BADAROUX	DATE 2008/05/23	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
			4 PLACES ± ---	± ---	CHECKED BY P. GRANDCLAUD	DATE 2008/05/23							
			3 PLACES ± ---	± ---	APPROVED BY C. BOUCHAN	DATE 2008/05/23							
			2 PLACES ± 0.1	± ---	MATERIAL NO.								
1 PLACE ± 0.1	± ---	ANGULAR ± 2 °		SIZE A									
0 PLACE ± ---	± ---												

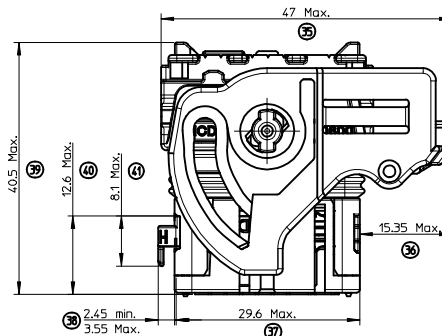
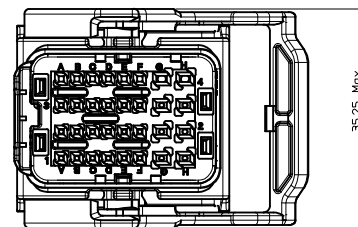
CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING FULLY OPENED
FOR TERMINALS INSERTION

RIGHT WIRE OUTPUT

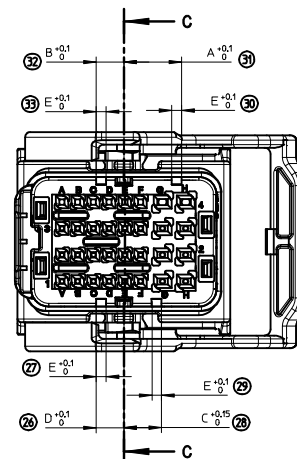


CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING IN DELIVERY
POSITION

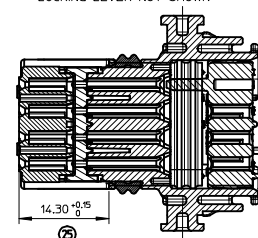
RIGHT WIRE OUTPUT



CODING POSITION



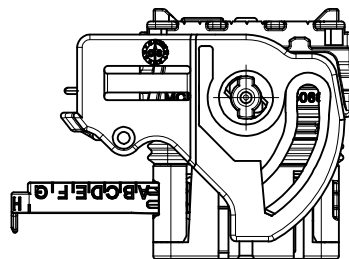
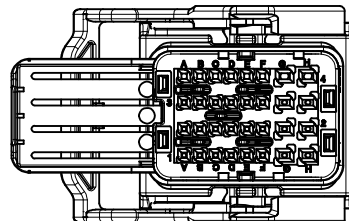
C - C
LOCKING LEVER NOT SHOWN



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

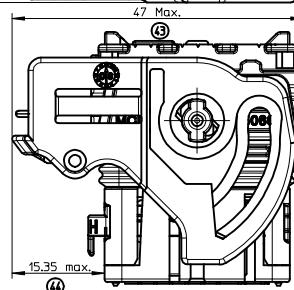
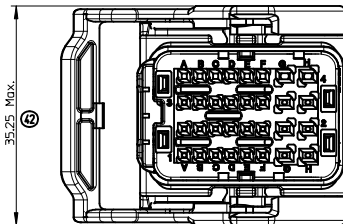
CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING FULLY OPENED
FOR TERMINALS INSERTION

LEFT WIRE OUTPUT



CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING IN DELIVERY
POSITION

LEFT WIRE OUTPUT



TERMINALS USED

CAVITY #	FEMALE TERMINALS (Section mm2)	PLATING	MOLEX PIN*	wire / MAX WIRE INSULATION DIAMETER (mm)
A1 to F1 A2 to F2 A3 to F3 A4 to F4	CP 0,6 0,35mm2	Tin plated	0643221019	Ø125 min / Ø140 Max
		Gold plated	0643221229	
	CP 0,6 0,5mm2	Tin plated	0643221039	Ø140 min / Ø170 Max
		Gold plated	0643221239	
G1 to H4 G1 to H4	CP 0,6 0,75mm2	Tin plated	0643221029	Ø160 min / Ø190 Max
		Gold plated	0643221219	
	CP 1,5 0,5mm2 to 1mm2	Tin plated	0643231029	Ø140 min / Ø215 Max
		Gold plated	0643231319	
G1 to H4 G1 to H4	CP 1,5 >1mm2 to 2mm2	Tin plated	0643231039	Ø210 min / Ø280 Max
		Gold plated	0643231219	

REVISED
EC NO: G2017-0100
DRAWN BY: B. BARRIERES 2017/05/15
CHKD BY: C. BOUCHAN 2017/05/15
APPR. BY: S. LAURE 2017/08/01

QUALITY
SYMBOLS
DESCRIPTION

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
0 PLACE	± 0.1	± 0.004

ANGULAR ± 2 °
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY: T. BADAROUX DATE: 2008/05/23
CHECKED BY: P. GRANDCLAUD DATE: 2008/05/23
APPROVED BY: C. BOUCHAN DATE: 2008/05/23

MATERIAL NO.
SEE SHEET 1

SCALE: 2.5:1
DESIGN UNITS: METRIC
FIRST ANGLE PROJECTION

TITLE: CMC CONNECTOR 24 WAY
MAT SEAL VERSION
GENERIC

DOCUMENT NO.: SD-64319-003
SHEET NO.: 2 OF 2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION