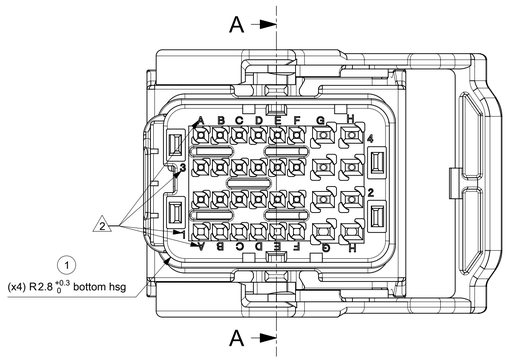
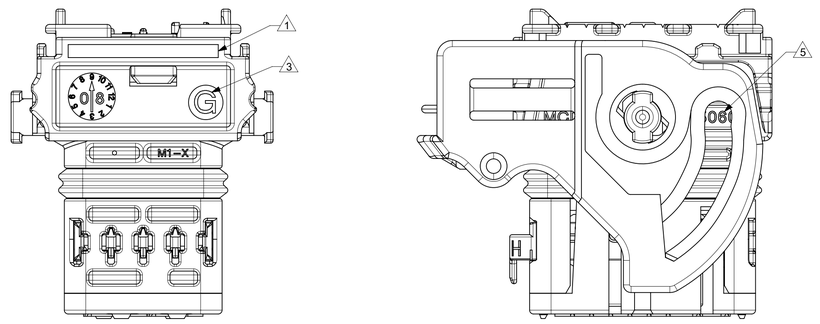
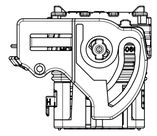


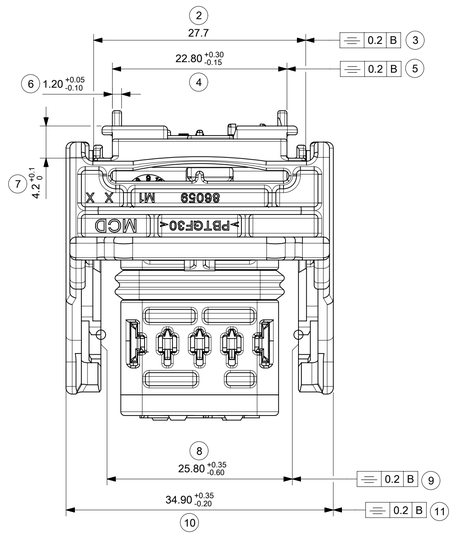
LEFT WIRE OUTPUT

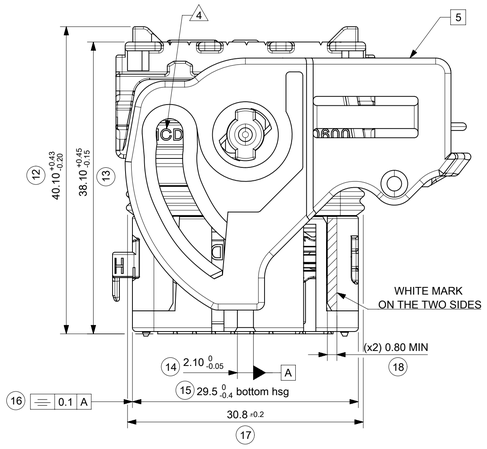
WITHOUT LOCKING LEVER



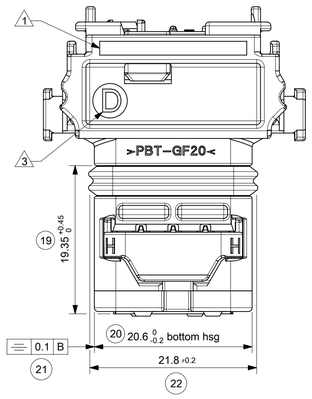


LEFT WIRE OUTPUT	
MATERIAL NUMBER	COLOR
0643192211	BLACK



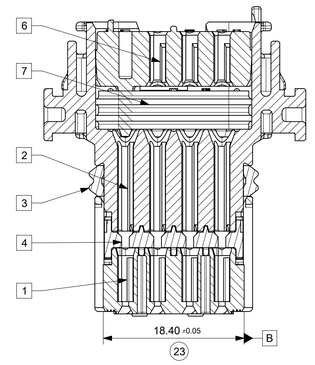


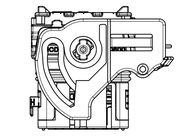
WITHOUT LOCKING LEVER



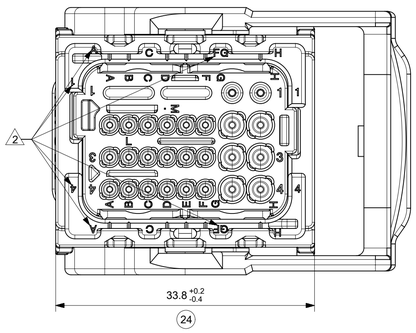
SECTION A-A

WITHOUT LOCKING LEVER

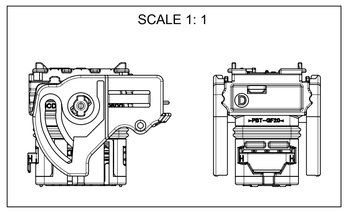




RIGHT WIRE OUTPUT	
MATERIAL NUMBER	COLOR
0643194211	BLACK



SCALE 1: 1



NOTES:

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

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 (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

POS.	DESIGNATION	MATERIAL	COLOR
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

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
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: 625008
DRWN: PBOSQUAIN 2019/09/11
CHK'D: CBOUCHAN 2019/10/02
APPR: SLAFAURE 2019/10/07

INITIAL REVISION:
DRWN: PBOSQUAIN 2019/09/11
APPR: SLAFAURE 2019/10/07

molex

CMC CONNECTOR 24 WAY
MAT SEAL VERSION

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
643190003	PSD	000	A

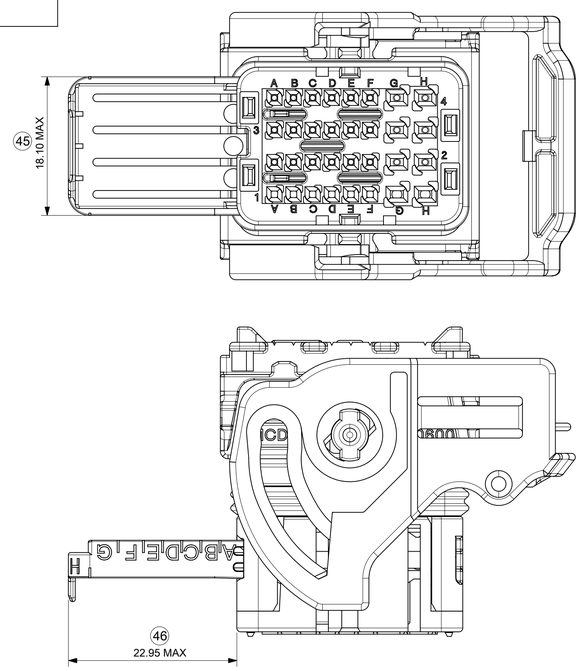
FIRST ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A1-SIZE	64319	SEE TABLE	GENERAL MARKET	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2019/10/07 06:45:27

FORMAT: master fb print A1
TEMPLATE:
DATE: 2018/01/16

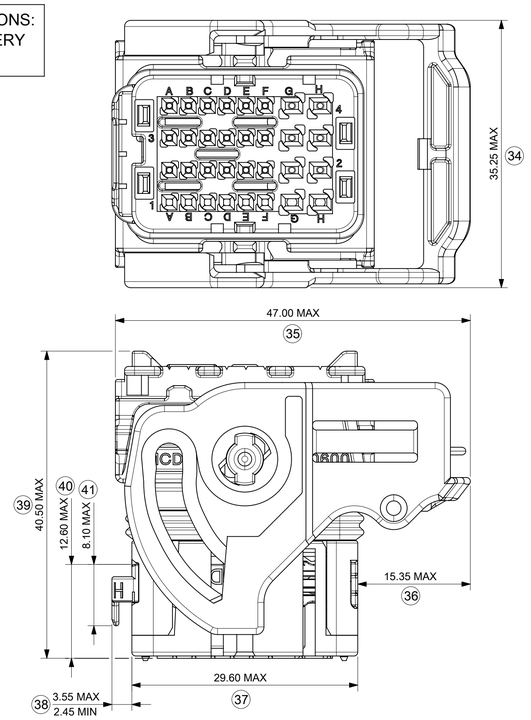
CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING FULLY OPENED
FOR TERMINALS INSERTION

RIGHT WIRE OUTPUT

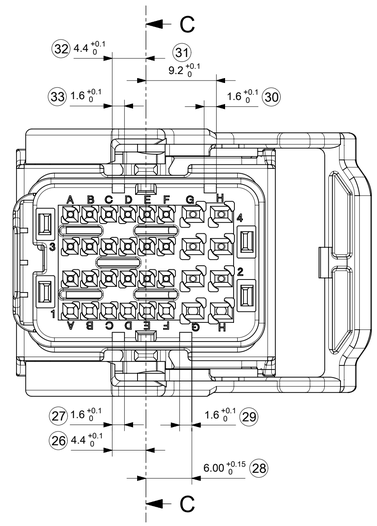


CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING IN DELIVERY
POSITION

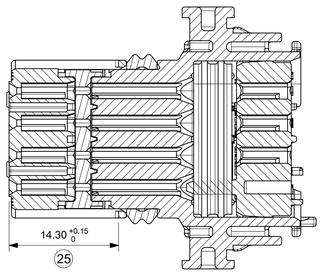
RIGHT WIRE OUTPUT



CODING POSITION



SECTION C-C
LOCKING LEVER NOT SHOWN



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 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	∅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	
G2 to G4 H2 to H4	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	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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: 625008
DRWN: PBOSQUAIN 2019/09/11
CHK'D: CBOUCHAN 2019/10/02
APPR: SLAFAURE 2019/10/07

INITIAL REVISION:
DRWN: PBOSQUAIN 2019/09/11
APPR: SLAFAURE 2019/10/07

molex

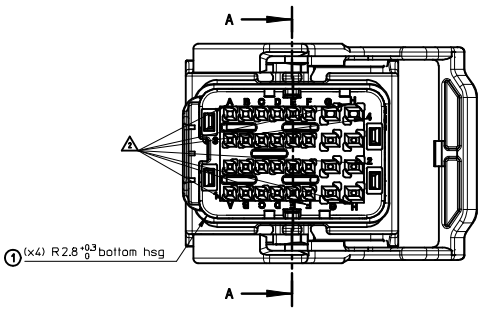
CMC CONNECTOR 24 WAY
MAT SEAL VERSION

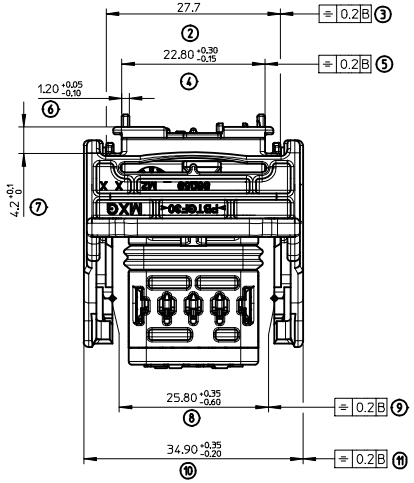
PRODUCT CUSTOMER DRAWING

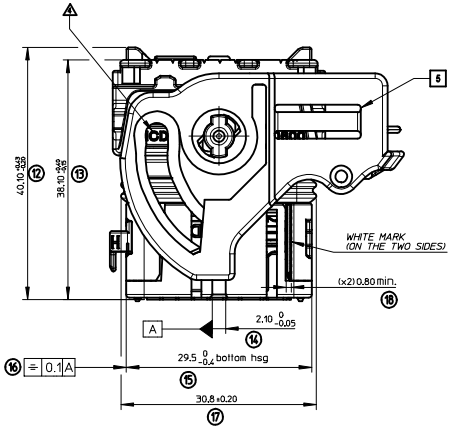
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643190003	PSD	000	A

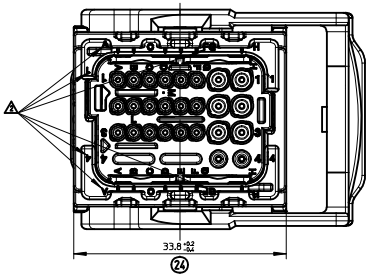
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	A1-SIZE	64319	SEE TABLE	GENERAL MARKET	2 OF 2

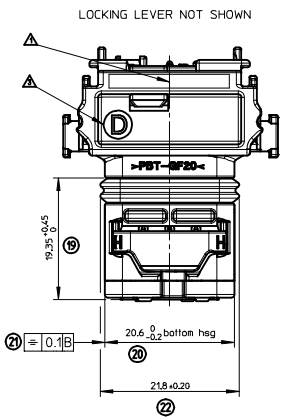
DOCUMENT STATUS	P1	RELEASE DATE	2019/10/07 06:45:27

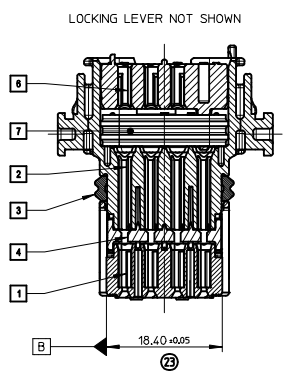


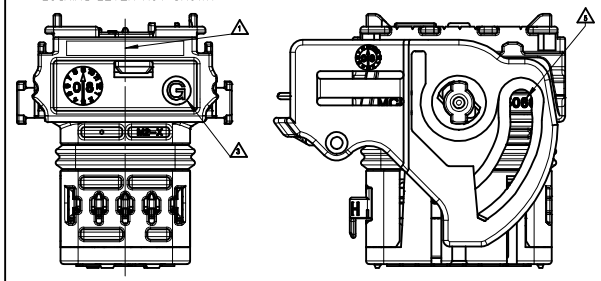




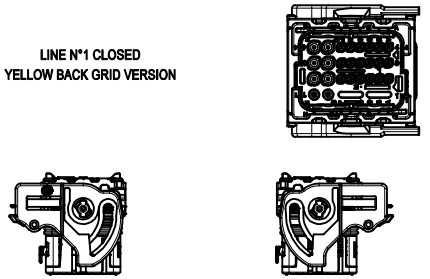








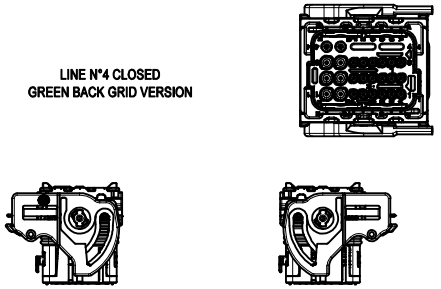
LINE N°1 CLOSED
YELLOW BACK GRID VERSION



LEFT WIRE OUTPUT	
MATERIAL NUMBER	COLOR
0643192211	BLACK

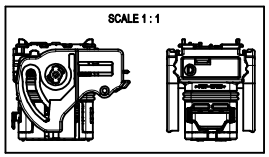
RIGHT WIRE OUTPUT	
MATERIAL NUMBER	COLOR
0643194211	BLACK

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:

1-FOR ILLUSTRATION PURPOSE TEH 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 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

POS.	DESIGNATION	MATERIAL	COLOR
7	MAT SEAL	Silicon	RED
6	BACK GRID 24W	>PBT-GF20<	COLOR LINKED TO LINE CLOSED
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

MARKINGS :

⚠ - Assembled part tracability:
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 2017/05/15
DRWN:GDESBRUERES 2017/05/15
CHKD:CBOUCHAN 2017/08/01
APPR:SLAFAURE
REV | DESCRIPTION

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.1	± ---
1 PLACE	± 0.1	± ---
0 PLACE	± ---	± ---

ANGULAR ± 2 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2.5:1
DESIGN UNITS: METRIC
FIRST ANGLE PROJECTION

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

TITLE: CMC CONNECTOR 24 WAY MAT SEAL VERSION GENERIC

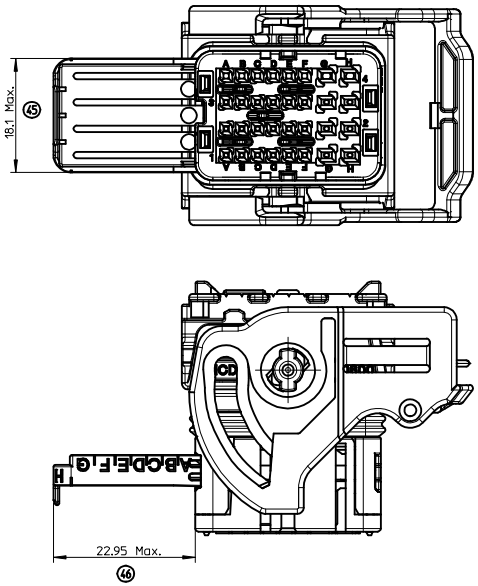
molex

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-64319-003
SHEET NO.: 1 OF 2
SIZE: A1

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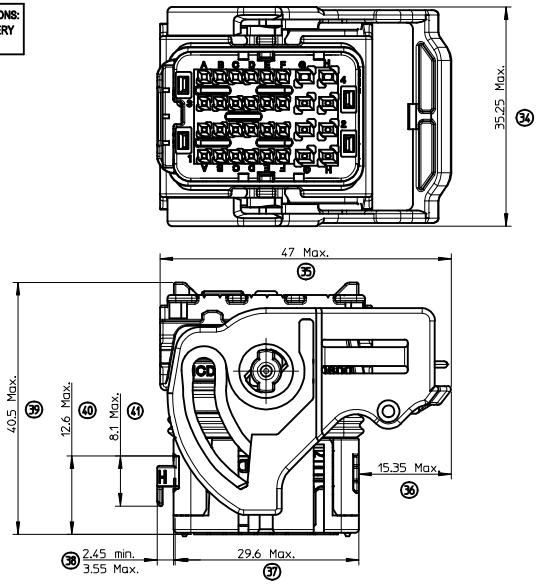
CONNECTOR OVERALL DIMENSIONS: SECONDARY LOCKING FULLY OPENED FOR TERMINALS INSERTION

RIGHT WIRE OUTPUT

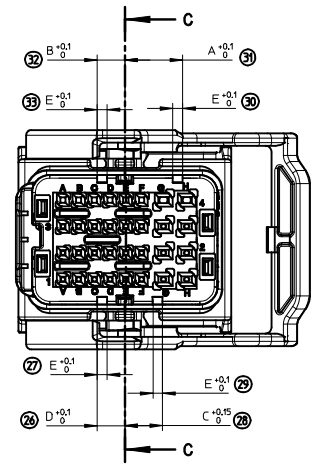


CONNECTOR OVERALL DIMENSIONS: SECONDARY LOCKING IN DELIVERY POSITION

RIGHT WIRE OUTPUT

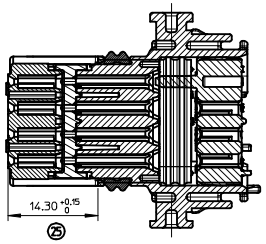


CODING POSITION



C - C

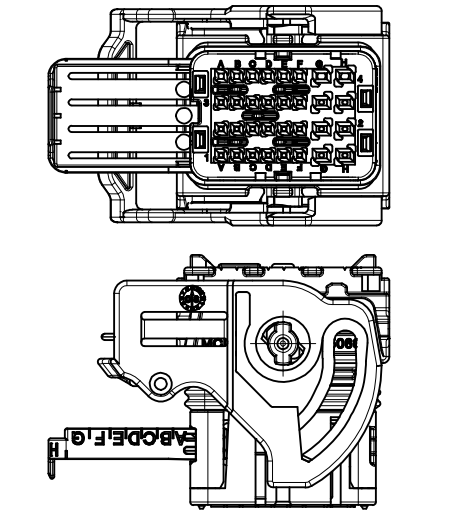
LOCKING LEVER NOT SHOWN



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

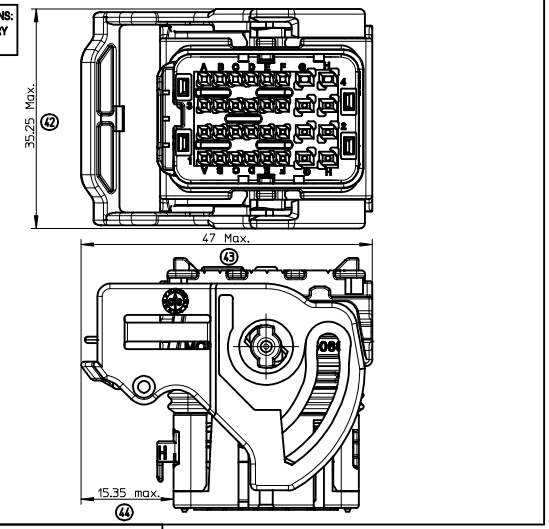
CONNECTOR OVERALL DIMENSIONS: SECONDARY LOCKING FULLY OPENED FOR TERMINALS INSERTION

LEFT WIRE OUTPUT



CONNECTOR OVERALL DIMENSIONS: SECONDARY LOCKING IN DELIVERY POSITION

LEFT WIRE OUTPUT



TERMINALS USED

CAVITY N°	FEMALE TERMINALS (Section mm2)	PLATING	MOLEX P/N°	min / 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	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 H4 G1 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	

REVISED
EC NO: G2017-0100 2017/05/15
DRWN:GDESBRUERES 2017/05/15
CHKD:CBOUCHAN 2017/08/01
APPR:SLAFAURE
DESCRIPTION
REV
E

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.1	± ---
1 PLACE	± 0.1	± ---
0 PLACE	± ---	± ---

ANGULAR ± 2 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2.5:1
DESIGN UNITS: METRIC
FIRST ANGLE PROJECTION

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

TITLE: CMC CONNECTOR 24 WAY MAT SEAL VERSION GENERIC

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MATERIAL NO.: SEE SHEET 1
DOCUMENT NO.: SD-64319-003
SHEET NO.: 2 OF 2
SIZE: A1

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