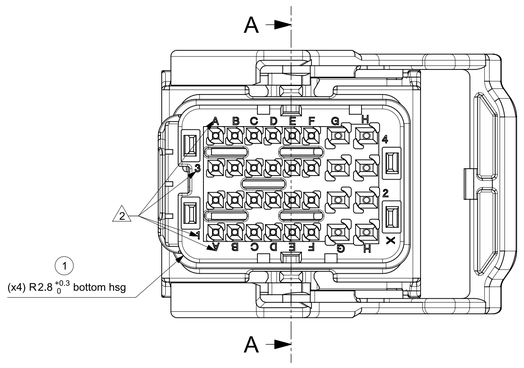
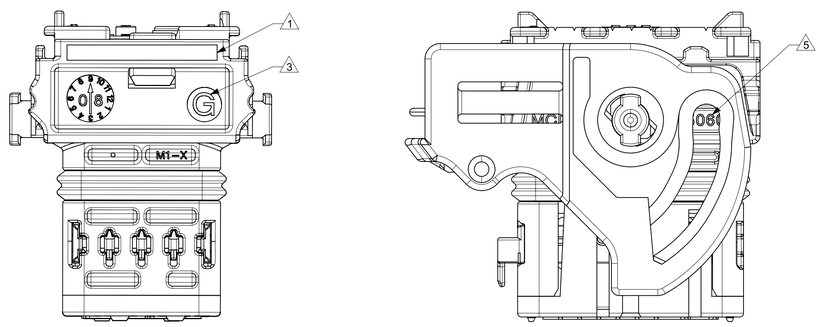
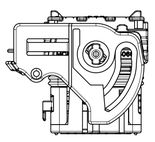


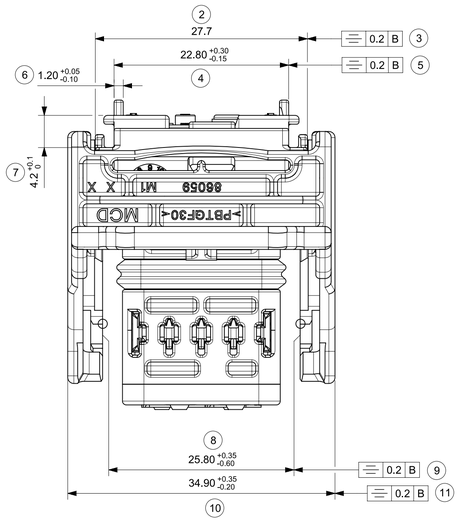
LEFT WIRE OUTPUT

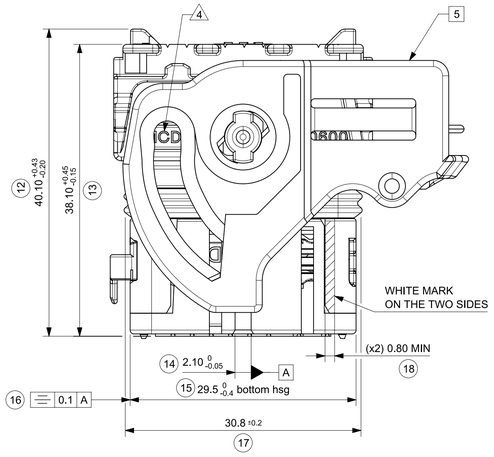
WITHOUT LOCKING LEVER



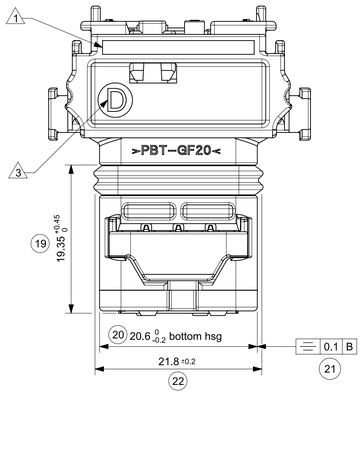


LEFT WIRE OUTPUT	
MATERIAL NUMBER	COLOR
0643191211	BLACK
0643191218	GREY
0643191219	BROWN
0643191216	BLUE

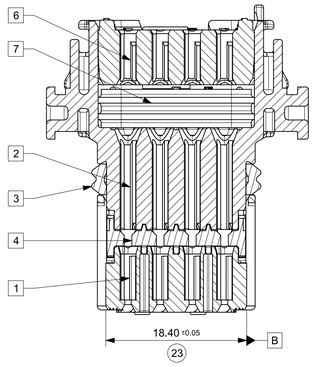


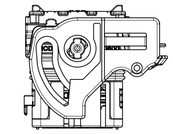


WITHOUT LOCKING LEVER

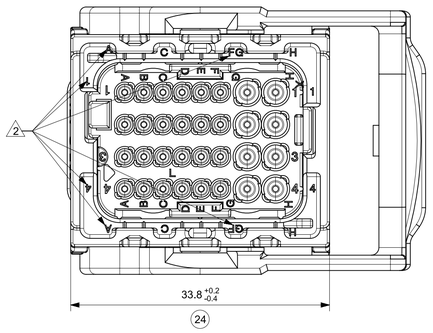


SECTION A-A
WITHOUT LOCKING LEVER

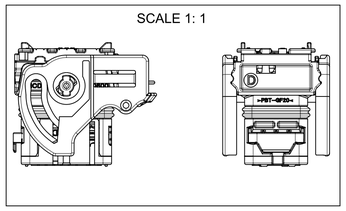




RIGHT WIRE OUTPUT	
MATERIAL NUMBER	COLOR
0643193211	BLACK
0643193218	GREY
0643193219	BROWN
0643193216	BLUE



SCALE 1: 1



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 ∅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 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

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°
4 PLACES	± 0.10000
3 PLACES	± 0.1000
2 PLACES	± 0.100
1 PLACE	± 0.10
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: Removed the marking "H" on the ISL.

STATUS: Production
DRWN: Mahesh KP 2024-11-05
CHK'D: Prashant Manjunath Achari 2024-12-06
APPR: SANDEEP S SIMHAN 2024-12-06

molex

CMC CONNECTOR 32 WAY
MAT SEAL VERSION

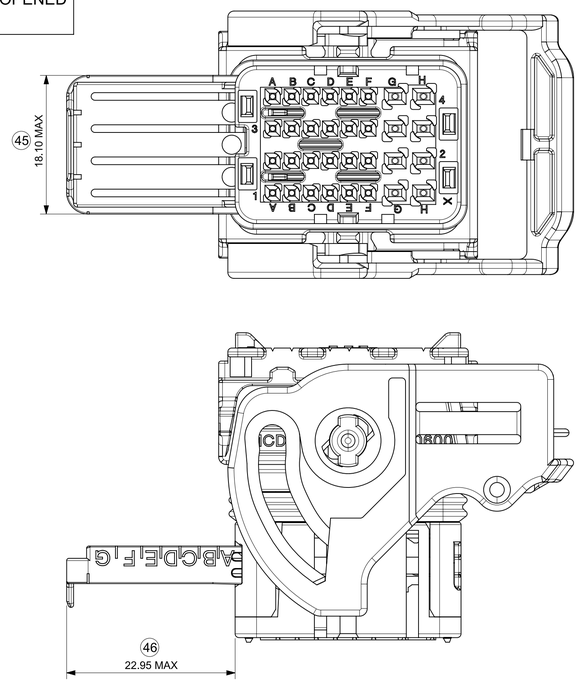
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-64319-001	PSD	001	J3

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

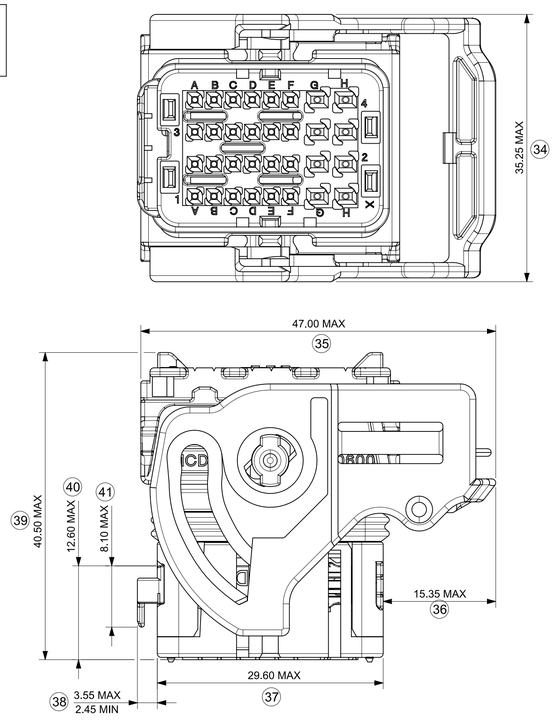
CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING FULLY OPENED
FOR TERMINALS INSERTION

RIGHT WIRE OUTPUT

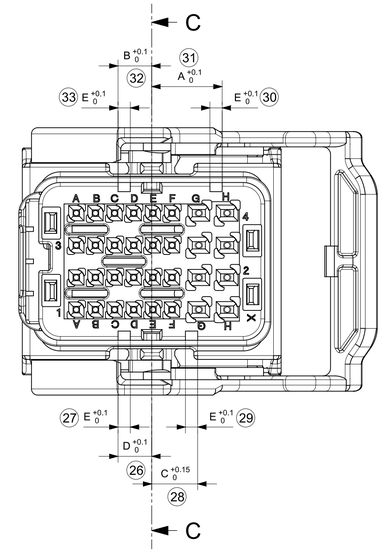


CONNECTOR OVERALL DIMENSIONS:
SECONDARY LOCKING IN DELIVERY
POSITION

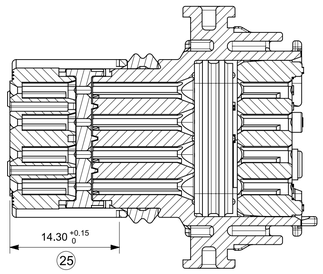
RIGHT WIRE OUTPUT



CODING POSITION



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

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	∅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	
G1 to G4 H1 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"
4 PLACES	± 0.10000
3 PLACES	± 0.1000
2 PLACES	± 0.100
1 PLACE	± 0.10
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

FIRST ANGLE PROJECTION

CURRENT REV DESC: Removed the marking “H” on the ISL.

STATUS: Production

DRWN:	Mahesh KP	2024-11-05
CHK'D:	Prashant Manjunath Achari	2024-12-06
APPR:	SANDEEP S SIMHAN	2024-12-06

molex

CMC CONNECTOR 32 WAY
MAT SEAL VERSION

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-64319-001	PSD	001	J3

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