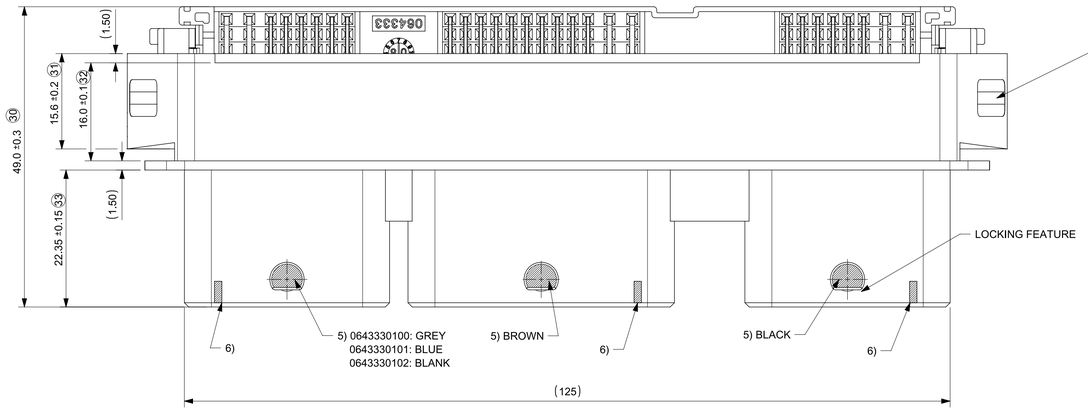
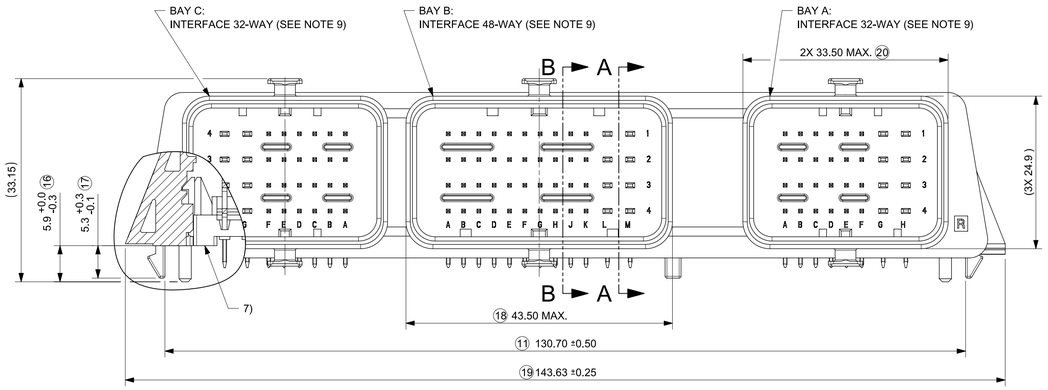
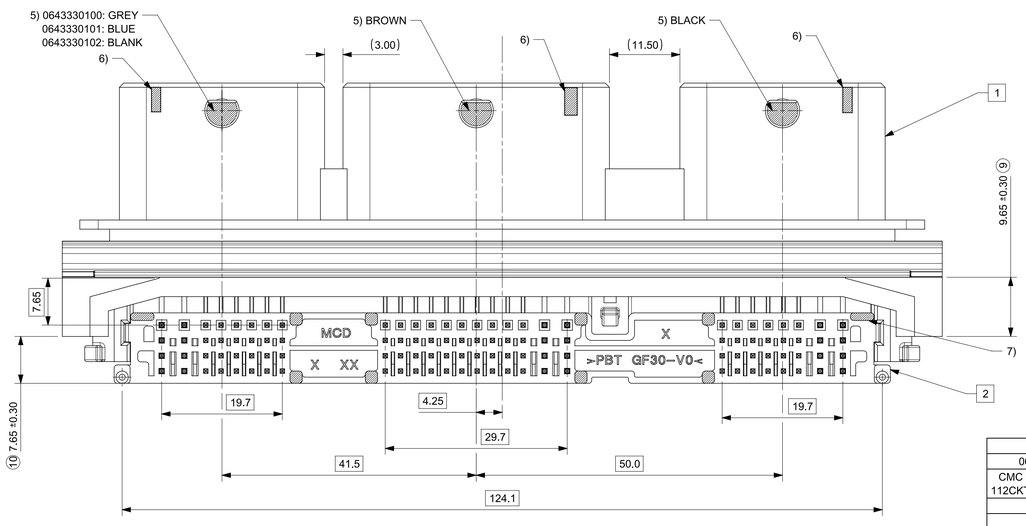
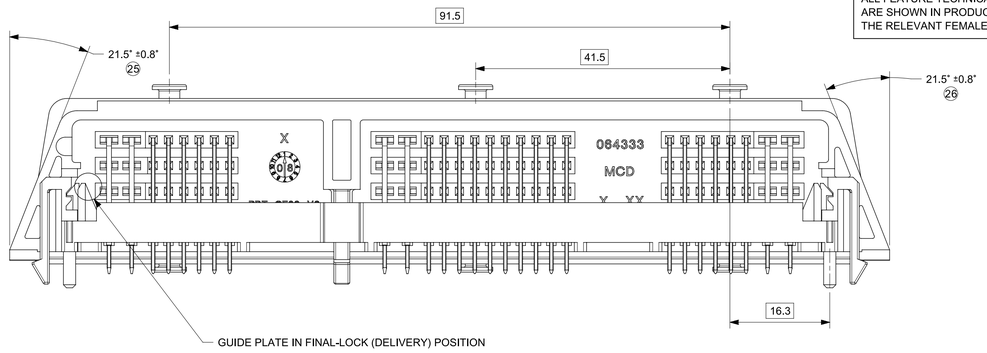
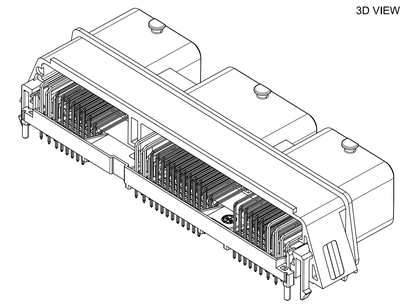










TECHNICAL PERFORMANCE CHARACTERISTICS

LOCKING FEATURES RETENTION FORCE AVERAGE: >260N
THE LOWEST RETENTION FORCE VALUE >240N

PIN RETENTION AND TRACTION FORCES:

PIN AND TAB RETENTION AND TRACTION FORCES:		
PIN	SIZE	RETENTION FORCES
PIN 0.635	0.635 x 0.635	30N
PIN 1.5	1.5 x 0.8	60N

SOLDERABILITY:
TESTING ACC. DIN IEC 60068-2-20 WITHOUT PRE-AGING

ALL FEATURE TECHNICAL PERFORMANCE CHARACTERISTICS
ARE SHOWN IN PRODUCTS AND TEST SPECIFICATION OF
THE RELEVANT FEMALE CONNECTORS -> PS-64319-001

NOTES

1 - GENERAL TOLERANCE ACC. DIN 16901 GROUP 130
2 - SEALING AREA (NO BURR, SCRATCHES, CONTAMINATION,
SHRINK DEPENDED WARPAGE AND TOOL SPLITING LINES ALLOWED)
3 - MATERIAL MARKING
ADDITIONAL MARKING POSSIBLE
e.g.: - CAVITY NO.
- MATERIAL NO.
- VERSION NO.
- TRACEABILITY MARKING (INK-JET OR LASERMARKING
(SPECIAL PLASTIC MATERIAL NEEDED))
- etc.
4 - TOOLING SPLITTING LINES FOR AIR VENT (2X)
5 - COLOUR CODING ON INTERFACE
6 - MARKING FOR HARNESS DIRECTION: APPLY THERMAL RIBBON
7 - PCB SUPPORT SURFACE (10X)
8 - MATES WITH CMC CONNECTOR 48CKT AND 32CKT
MATERIAL NUMBERS:
LEFT WIRE OUTPUT GREY CODING 643191218
LEFT WIRE OUTPUT BLUE CODING 643191216
RIGHT WIRE OUTPUT BROWN CODING 643203319
RIGHT WIRE OUTPUT BLACK CODING 643193211
9 - THE PRODUCT INTERFACE DRAWING INFORMATION, SEE SD-98644-006
10 - FOR ILLUSTRATION PURPOSE HEADER SHOWN IS THE P/N 0643330100 (GRY-BRN-BLK)

PRODUCT			
0643330100	0643330101	0643330102	MOLEX P/N
CMC RA HDR ASSY 112CKT GRY-BRN-BLK	CMC RA HDR ASSY 112CKT BLU-BRN-BLK	CMC RA HDR ASSY 80CKT BLANK-BRN-BLK	DESCRIPTION
32 CKT - BLACK CODING			BAY A
48CKT - BROWN CODING			BAY B
32 CKT GREY CODING	32CKT BLUE CODING	BLANK: NO CIRCUIT (BLUE CODING)	BAY C
83.1g	84.33g	78.26g	WEIGHT

COMPONENT								
ITEM	DESCRIPTION	MOLEX P/N	RAW MATERIAL	BARRIER (OVERALL) / FINISH (OVERALL) PLATING (µm)		AMOUNT		
10	PIN 1.5 ROW 4	5007564024	CuZn30 R410	Ni 1.3 -3.8	Sn 2-4	6	6	4
9	PIN 1.5 ROW 3	5007563024	CuZn30 R410	Ni 1.3 -3.8	Sn 2-4	6	6	4
8	PIN 1.5 ROW 2	5007562024	CuZn30 R410	Ni 1.3 -3.8	Sn 2-4	6	6	4
7	PIN 1.5 ROW 1	5007561024	CuZn30 R410	Ni 1.3 -3.8	Sn 2-4	6	6	4
6	PIN 0.64 ROW 4	5007574024	CuZn30 R410	Ni 1.3 -3.8	Sn 2-4	22	22	16
5	PIN 0.64 ROW 3	5007573024	CuZn30 R410	Ni 1.3 -3.8	Sn 2-4	22	22	16
4	PIN 0.64 ROW 2	5007572024	CuZn30 R410	Ni 1.3 -3.8	Sn 2-4	22	22	16
3	PIN 0.64 ROW 1	5007571024	CuZn30 R410	Ni 1.3 -3.8	Sn 2-4	22	22	16
2	GUIDE PLATE	0643330002	PBT GF30-V0 BLK	---	---	1	1	1
1	HOUSING	0643330012	PBT GF30-V0 BLK	---	---			1
		0643330011	PBT GF30-V0 BLK	---	---		1	
		0643330010	PBT GF30-V0 BLK	---	---	1		

INSPECTION BALLOON NUMBER LOG
PER DRWING REVISION: C1
LAST BALLOON NUMBER USED: 33
ADDED BALLOON NUMBER USED:
REMOVED BALLOON NUMBER: 1~8, 27, 28, 29, 40

REV.	EC#	DESCRIPTION
C1	CO-000002275	BOM TABLE AND WEIGHT UPDATED
C	CO-000000845	1. ADDED TWO NEW VARIANTS 0643330101 & 0643330102 2. PCB DRAWING DIMENSION RE DRAWN IN SHEET 2
B2	628872	1. UPDATED VIEWS FROM GUIDE PLATE PRE-LOCK TO FINAL LOCK 2. UPDATED DIM 17 FROM BASIC 3.2 TO 5.3 DUE TO GUIDE PLATE POSITION CHANGE 3. REMOVED BALLOON NUMBER FOR BASIC DIMENSIONS 4. UPDATED NOTES 6 FROM WHITE INK TO THERMAL RIBBON 5. REMOVED GERMAN LANGUAGE 6. REMOVED INTERFACE DRAWING APPENDED ON SHEET 3 TO SHEET 5 ADD NOTE 9 FOR INTERFACE INDICATION FOR 7. ADDED INSPECTION BALLOON NUMBER LOG 8. NX RE-MASTERING
B1	GCA2011-0027	UPDATE DESCRIPTION FOR SOLDERABILITY TEST
B	GCA2011-0002	UPDATE INTERFACE DRAWING ACCORDING TO SD-98644-006 REV.B
A1	GCA2009-0060	INITIAL RELEASE

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

FUNCTIONAL SYMBOLS
FA = 0
FF = 0
FP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: 2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	
1 PLACE	±	
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REFER TO REVISION CHANGE LOG FOR DETAIL IN D-3 OF SHEET 1

STATUS: Production
DRWN: Frederic Parolari 2023-01-17
CHK'D: Naik Raghav Satish 2023-01-18
APPR: Bruno Dessirier 2023-01-18

THIRD ANGLE PROJECTION | DRAWING: A1-SIZE | SERIES: 64333

molex

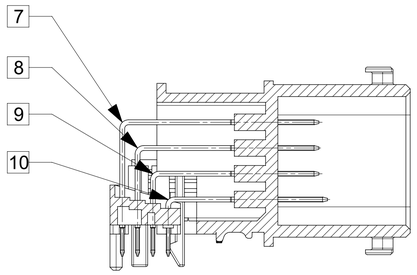
CMC HEADER 112CKT
ASSEMBLED SOLDER VERSION

PRODUCT SALES DRAWING

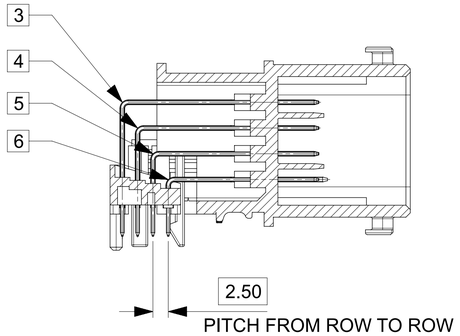
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-64333-100	PSD	005	C1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 2

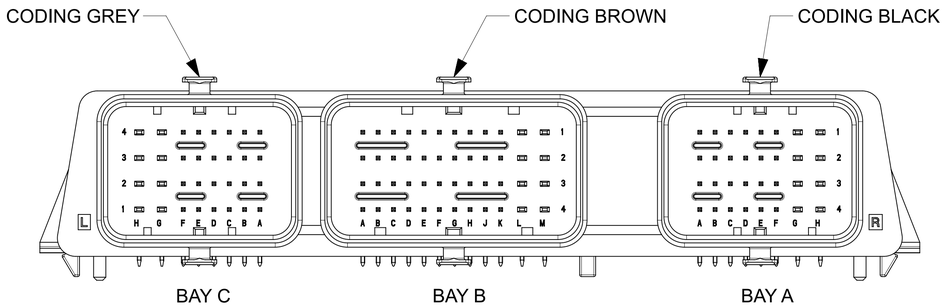
Format Template A1
REVISION: B
DATE: 2023/06/01



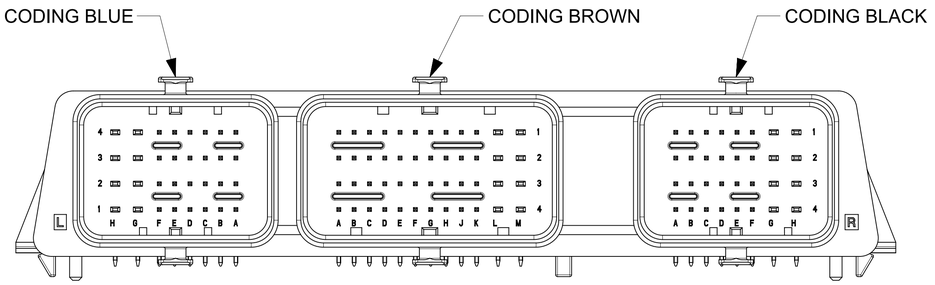
SECTION A-A



SECTION B-B

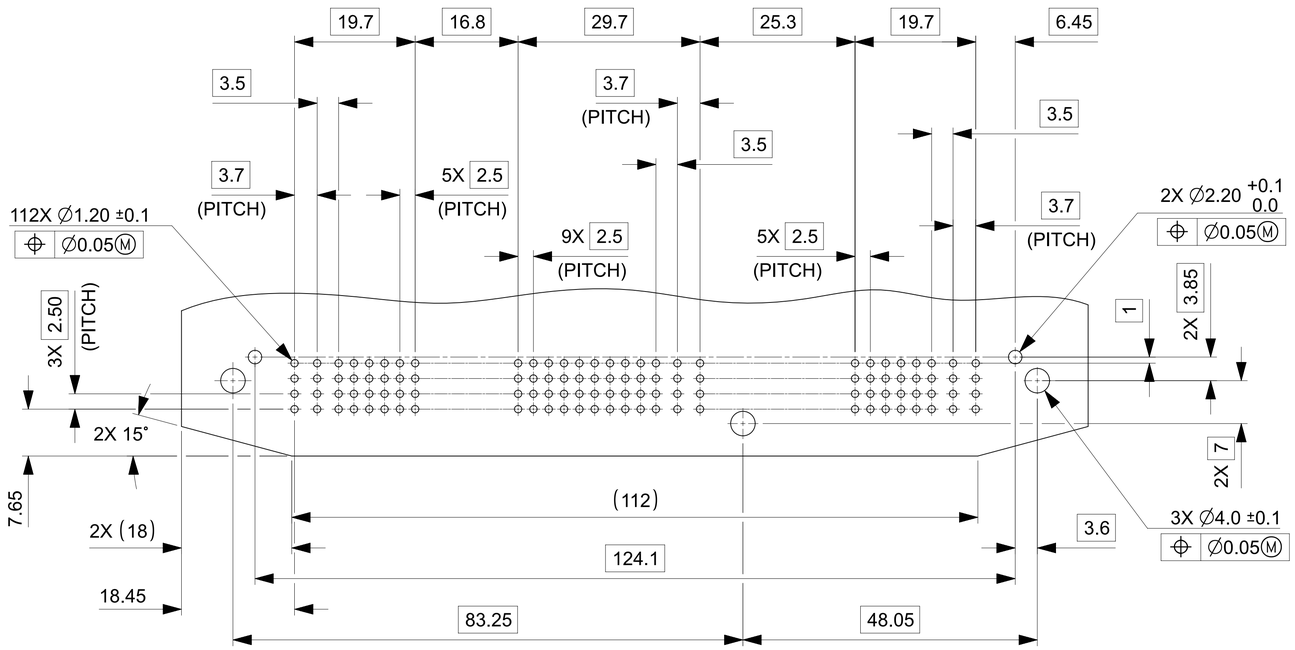


CMC HEADER ASSY FOR 0643330100



CMC HEADER ASSY FOR 0643330101

CMC HEADER ASSY FOR 0643330102



RECOMMENDED PCB LAYOUT (COMPONENT SIDE)
THICKNESS: 1.6±0.1mm

NOTES:

1. THE VIEW "RECOMMENDED PCB LAYOUT" SHOWS THE SECTION OF THE HOLE POSITION CONCERNING THE HEADER-PIN, GUIDING AND LOCKING LAYOUT.
2. THE VIEW OF THE HOLE PATTERN DOESN'T POINT TO THE ABSOLUTE POSITION ON THE PCB.
3. THE HOLE PATTERN IS COPY OF THE HEADER LAYOUT.
4. PLEASE COMBINE THE TWO ELEMENTS (HEADER AND VIEW OF THE HOLE PATTERN) TO CREATE PCB LAYOUT

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

FUNCTIONAL SYMBOLS	DIMENSION UNITS	SCALE
FA = 0	mm	2:1
FC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
FP = 0	ANGULAR TOL ± °	
DIVISIONAL SYMBOLS	4 PLACES ±	
	3 PLACES ±	
	2 PLACES ±	
	1 PLACE ±	
	0 PLACES ±	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: REFER TO REVISION CHANGE LOG FOR DETAIL IN D-3 OF SHEET 1

STATUS: Production
DRWN: Frederic Parolari 2023-01-17
CHK'D: Naik Raghav Satish 2023-01-18
APPR: Bruno Dessirier 2023-01-18

THIRD ANGLE PROJECTION | DRAWING: A1-SIZE | SERIES: 64333

molex

CMC HEADER 112CKT
ASSEMBLED SOLDER VERSION

PRODUCT SALES DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-64333-100	PSD	005	C1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	2 OF 2