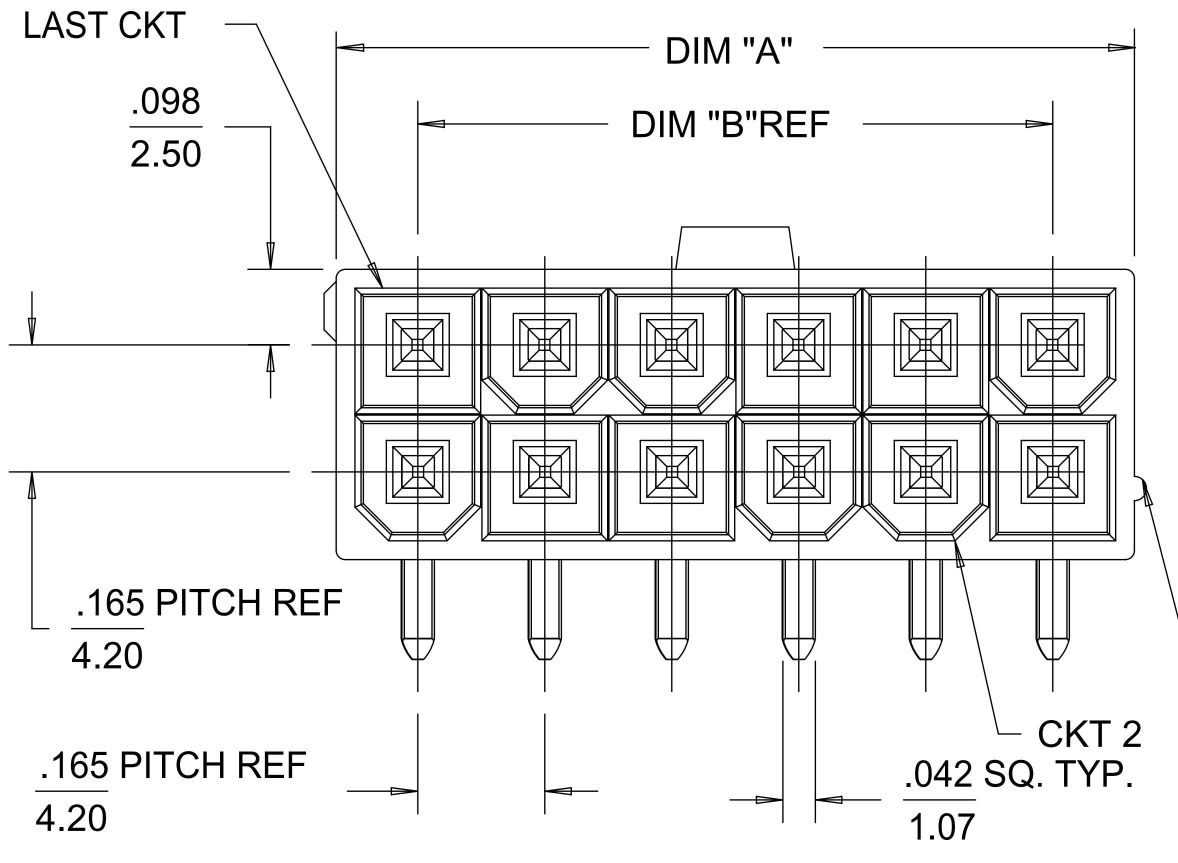
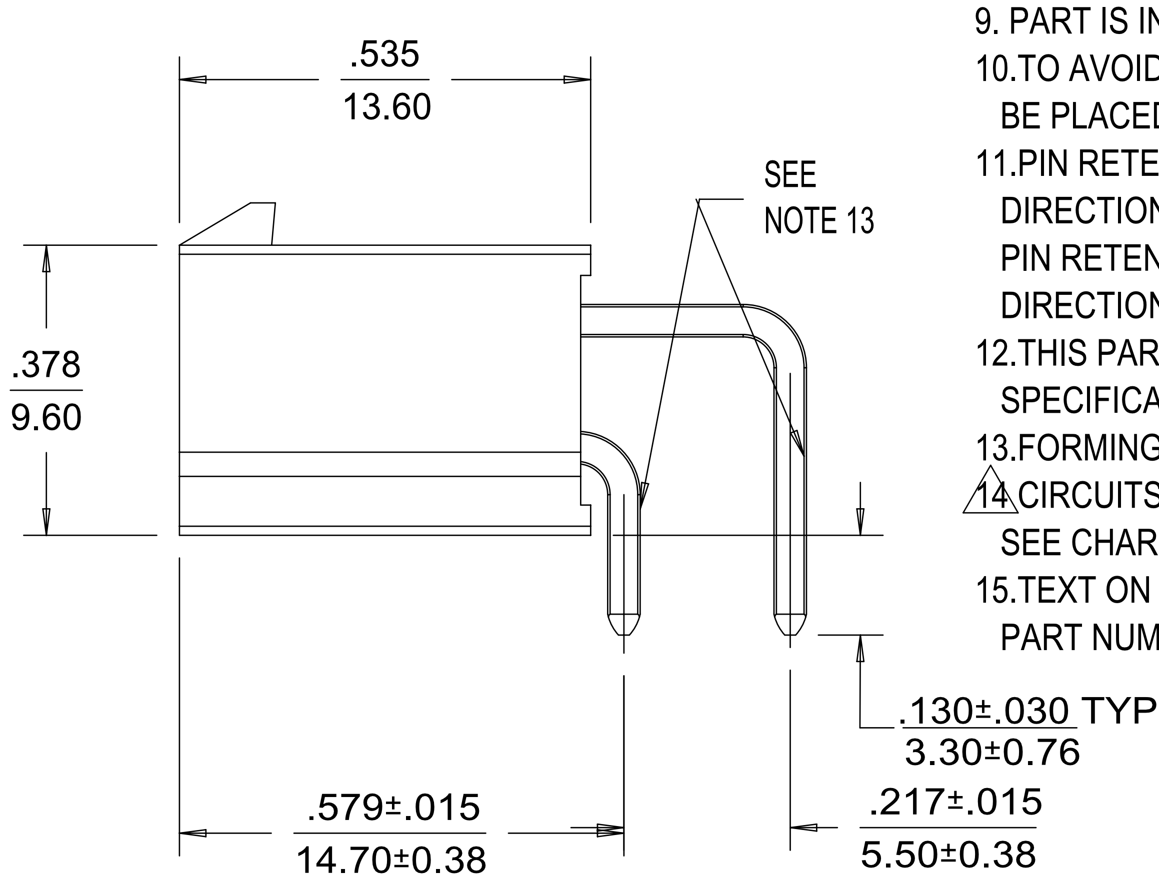
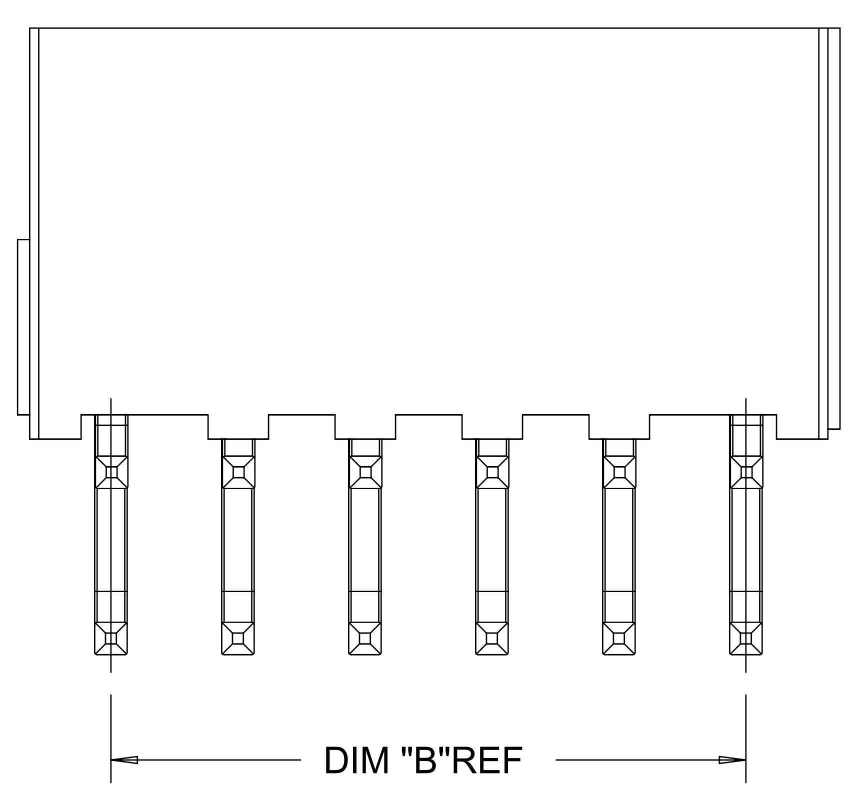
	COLOR = BLACK								COLOR = NATURAL			
	TIN PLATING				GOLD PLATING				TIN PLATING			
CKT SIZE		TRAY PACK MATERIAL NUMBER		TAPE & REEL MATERIAL NUMBER		TRAY PACK MATERIAL NUMBER		TAPE & REEL MATERIAL NUMBER		TRAY PACK MATERIAL NUMBER	DIM "A"	DIM "B"
4		46991-1004		46991-4004	X	46991-2004		46991-3004			.38/9.6	.165/4.20
6		46991-1006	X	46991-4006	X	46991-2006	X	46991-3006			.54/13.8	.331/8.40
8		46991-1008		46991-4008		46991-2008		46991-3008			.71/18.0	.496/12.60
10		46991-1010		46991-4010	X	46991-2010	X	46991-3010	X	46991-1110	.87/22.2	.661/16.80
12		46991-1012	X	46991-4012		46991-2012	X	46991-3012			1.04/26.4	.827/21.00
14	X	46991-1014	X	46991-4014	X	46991-2014	X	46991-3014			1.21/30.6	.992/25.20
16	X	46991-1016	X	46991-4016	X	46991-2016	X	46991-3016			1.37/34.8	1.160/29.40
18	X	46991-1018	X	46991-4018	X	46991-2018	X	46991-3018			1.54/39.0	1.323/33.60
20	X	46991-1020	X	46991-4020	X	46991-2020	X	46991-3020			1.70/43.2	1.488/37.80
22	X	46991-1022	X	46991-4022	X	46991-2022	X	46991-3022			1.87/47.4	1.654/42.00
24		46991-1024		46991-4024	X	46991-2024	X	46991-3024			2.03/51.6	1.819/46.20

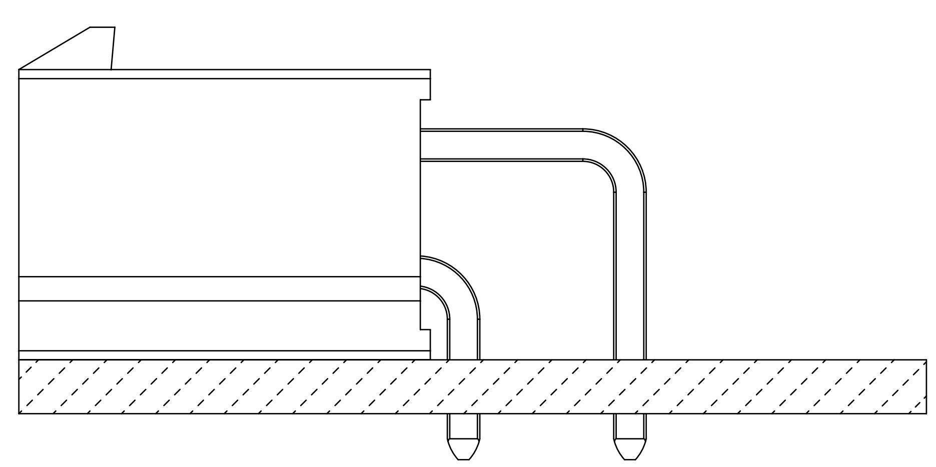
SEE SHEET 2 FOR PART NUMBERS WITH VOIDS & MFBL

X DESIGNATES NOT TOOLED



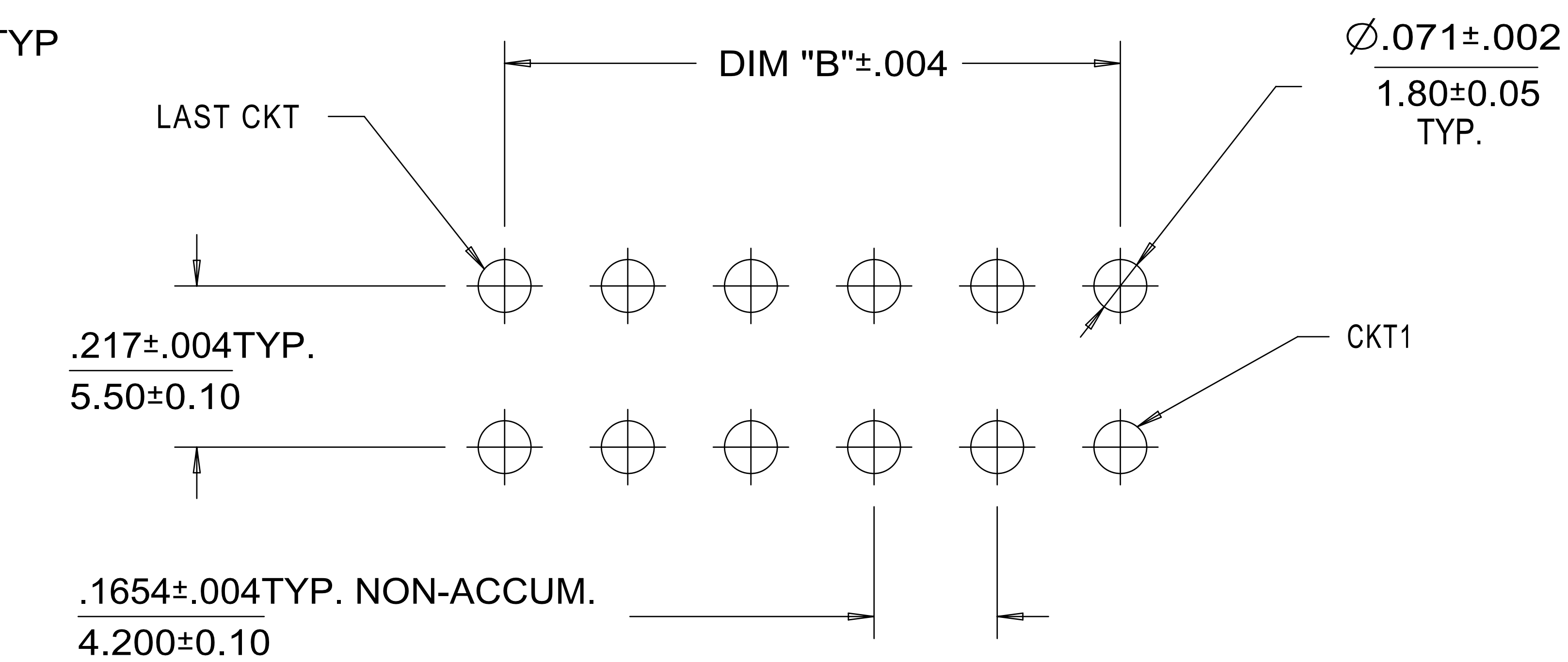






NOTES:

1. MATERIAL:
   HOUSING - LIQUID CRYSTAL POLYMER (LCP), COLOR: SEE CHART.
   TERMINAL - BRASS
2. TERMINAL PLATING: TIN = .000100/0.00254 MATTE TIN OVER .000050/0.00127 NICKEL OVERALL
   GOLD= .000030/0.00076 MIN. SELECT GOLD OVER .000100/0.00254 MIN. SELECT MATTE TIN OVER .000050/0.00127 MIN NICKEL OVERALL
3. PRODUCT SPECIFICATION: PS-5556-001 OR PS-45750-001.
4. PACKAGING SPECIFICATION: TRAY PACKED PER PK-5569-003 OR TAPE AND REEL PACKAGED PER PK-46991-001.
5. PART MATES WITH MINIFIT JR RECEPTACLE SERIES 5557
6. DISCOLORIZATION IN THE BANDOLIER CARRIER AREA OF THE PIN IS INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING EFFECT OF THE CARRIER. THIS DISCOLORIZTION IS A NON-FUNCTIONAL AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE HEADER ASSEMBLY.
7. CONNECTORS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
8. PARTS ARE NOT DESIGNED FOR CURRENT SHARING.
9. PART IS INTENDED FOR PIN IN PASTE REFLOW SOLDER ONLY.
10. TO AVOID INTERFERENCE BETWEEN THE RECEPTACLE AND PCB. HEADER MUST BE PLACED AT THE EDGE OF PCB AS SHOWN.
11. PIN RETENTION IN HOUSING IS 2.2 LBS/1 KG MIN. BOTH DIRECTIONS FOR TIN PLATING.
    PIN RETENTION IN HOUSING IS 1.0 LBS/0.45 KG MIN. BOTH DIRECTIONS FOR GOLD PLATING.
12. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
13. FORMING MARKS ON PINS ARE ACCEPTABLE.
14. CIRCUITS SHOWN PROVIDE THE MATE-FIRST/BREAK-LAST FEATURE. SEE CHART ON SHEET 2 FOR SPECIFIC CIRCUIT LOCATIONS.
15. TEXT ON PART IS FOR REFERENCE ONLY. TEXT AND TEXT LOCATION MAY VARY DEPENDING ON PART NUMBER AND/OR TOOL.



RECOMMENDED PCB HOLE LAYOUT FOR .070/1.78 MAX THICK P.C. BOARD
VIEWED FROM COMPONENT SIDE

SYMBOLS: = 0 (all)

DIMENSION UNITS: IN/MM | SCALE: 4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± 0.15
2 PLACES	± 0.25	± 0.1
1 PLACE	± 0.38	±
0 PLACES	±	±
ANGULAR TOL		± 0.5°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADD 46991-5003

EC NO: 641577
DRWN: LSCHWALLER 2020/07/15
CHK'D: DSTEIER 2020/07/22
APPR: FSMITH 2020/08/07

INITIAL REVISION:
DRWN: JKLOSTERMEIE 2008/12/19
APPR: FSMITH 2008/12/15

molex

MINIFIT RTC RIGHT ANGLE
HEADER ASSEMBLY W/O MOUNTING PEGS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-46991-001	PSD	000	C11

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	46991	SEE CHART	GENERAL MARKET	1 OF 2

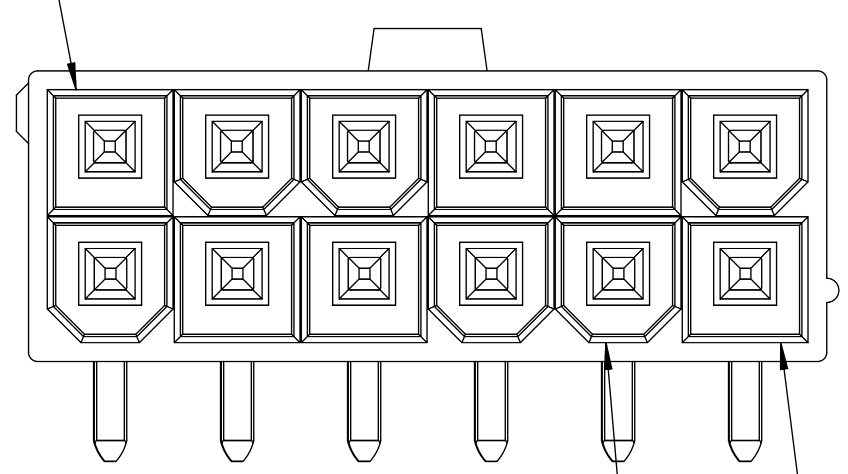
DOCUMENT STATUS P1 | RELEASE DATE 2020/08/07 19:11:52

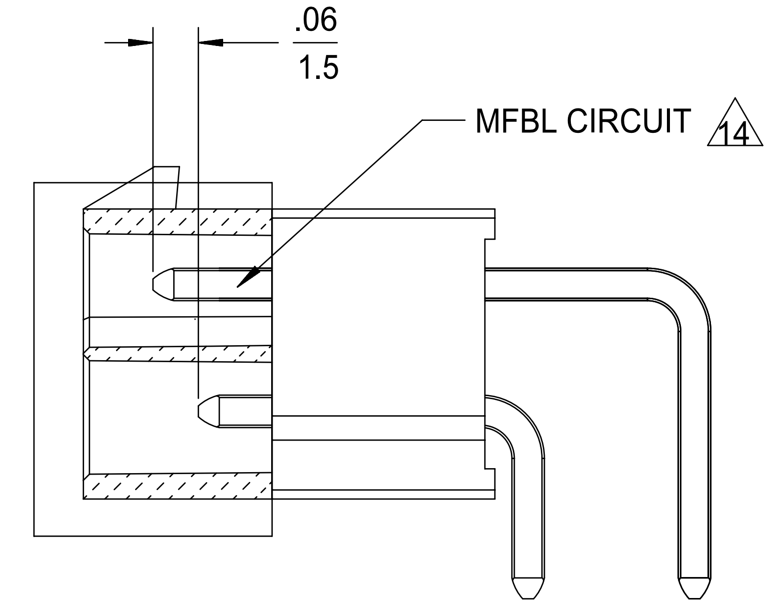
FORMAT: Eng-ldwg-master-tb-prod-C
REVISION: D
DATE: 2018/01/16

MATERIAL NUMBER	NO OF CKT	HOUSING COLOR (REF)	PKG	PLATING SEE NOTE #2	CKT 1	CKT 2	CKT 3	CKT 4	CKT 5	CKT 6	CKT 7	CKT 8	CKT 9	CKT 10	CKT 11	CKT 12	CKT 13	CKT 14	CKT 15	CKT 16	CKT 17	CKT 18	CKT 19	CKT 20	CKT 21	CKT 22	CKT 23	CKT 24
46991-5001	06	BLACK	TRAY	TIN	2	V	2	2	V	2																		
46991-5002	04	BLACK	TRAY	TIN	1	2	1	1																				
46991-5003	04	BLACK	TRAY	TIN	2	1	2	2																				

PIN IDENTIFICATION CODE / CIRCUIT LOCATION (SEE CHART BELOW) V = VOID

PIN ID	MATING CONFIGURATION
1	MATE FIRST/BREAK LAST (LONGER)
2	STANDARD MATING





CKT SIZE	DIM "A"	DIM "B"
4	.38/9.6	.165/4.20
6	.54/13.8	.331/8.40
8	.71/18.0	.496/12.60
10	.87/22.2	.661/16.80
12	1.04/26.4	.827/21.00
14	1.21/30.6	.992/25.20
16	1.37/34.8	1.160/29.40
18	1.54/39.0	1.323/33.60
20	1.70/43.2	1.488/37.80
22	1.87/47.4	1.654/42.00
24	2.03/51.6	1.819/46.20

SYMBOLS: = 0 (each symbol)

DIMENSION UNITS: IN/MM SCALE: 4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± 0.15
2 PLACES	± 0.25	± 0.1
1 PLACE	± 0.38	±
0 PLACES	±	±
ANGULAR TOL		± 0.5 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADD 46991-5003

EC NO: 641577
DRWN: LSCHWALLER 2020/07/15
CHK'D: DSTEIER 2020/07/22
APPR: FSMITH 2020/08/07
INITIAL REVISION:
DRWN: JKLOSTERMEIE 2008/12/19
APPR: FSMITH 2008/12/15

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 46991

molex

MINIFIT RTC RIGHT ANGLE HEADER ASSEMBLY W/O MOUNTING PEGS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-46991-001	PSD	000	C11

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

DOCUMENT STATUS P1 RELEASE DATE 2020/08/07 19:11:52