

CONNTAK50 DUAL ROW RIGHT ANGLE SMT HEADERS

10CKT HEADER:

SERIES NUMBER

TYPE OF COMPONENT

USABLE CIRCUITS

KEYS

PN 2069583101

206958

3

10

1

- SERIES NUMBER: DUAL ROW RIGHT ANGLE SMT HEADER - STANDARD PERF

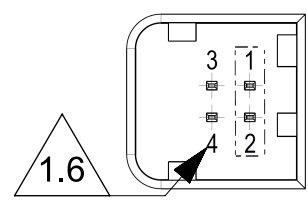
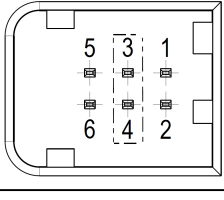
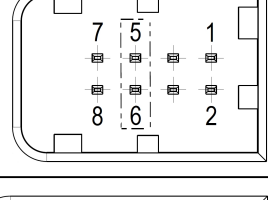
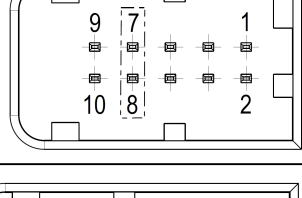
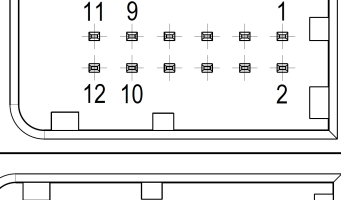
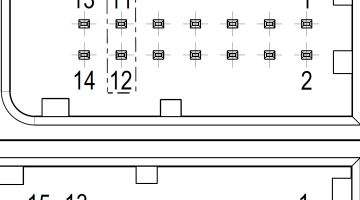
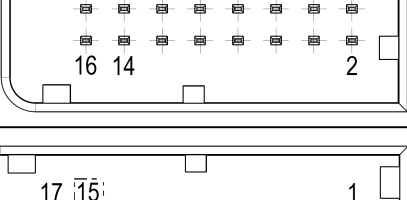
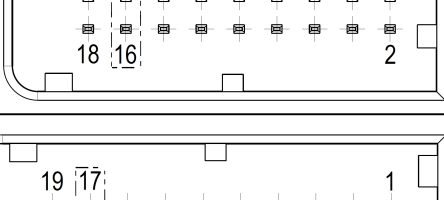
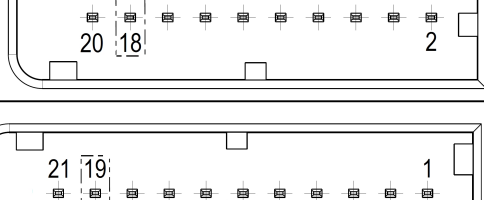
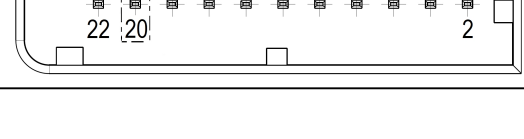
- TYPE OF COMPONENT: STANDARD MATERIAL; FULLY POPULATED

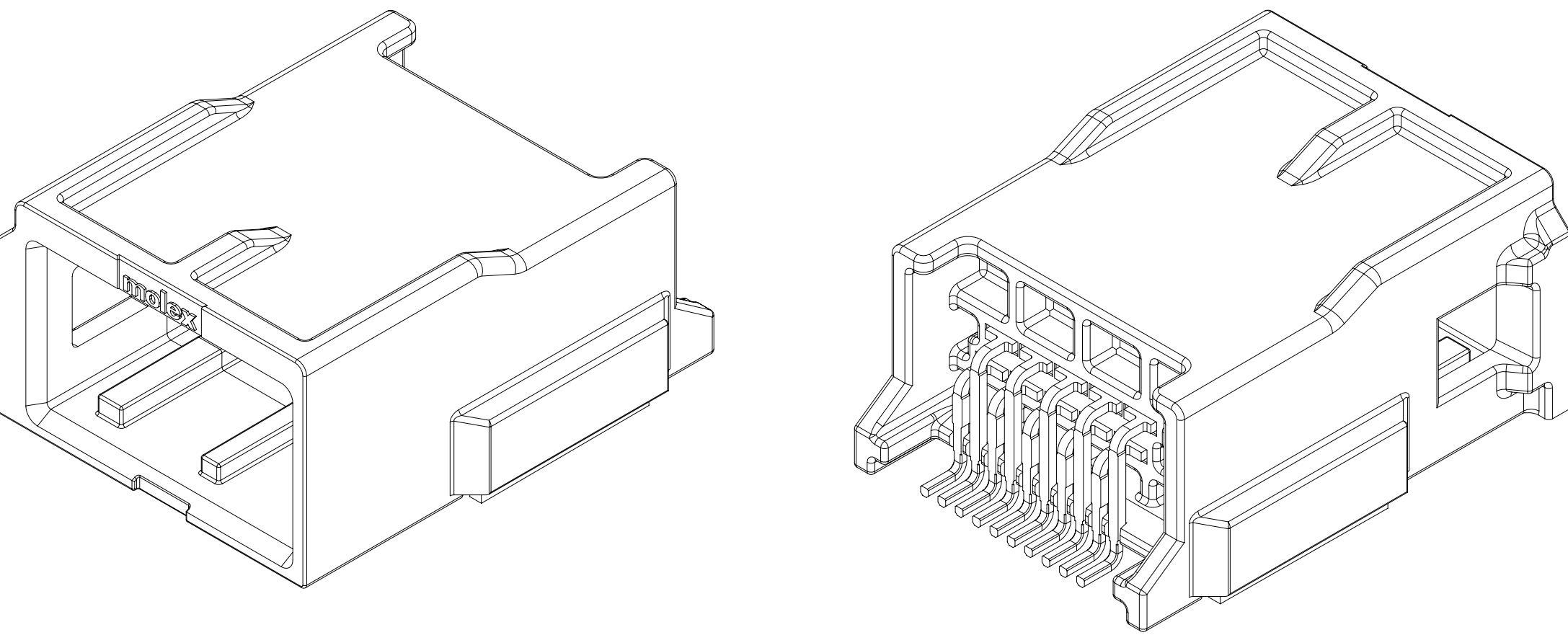
- 10 USABLE CIRCUITS

- KEY A

FINAL PART: 10CKT DUAL ROW RIGHT ANGLE FULLY POPULATED STANDARD PERFORMANCE SMT HEADER - KEY A

	SERIES NUMBERS (AAAAAA)	TYPE OF COMPONENT (B)	USABLE CIRCUITS (CC)	KEY (D)
MATING COMPONENT	205825 - DR TANG RECEPTACLE	2 - STD MATL; FULLY POPULATED (APPLIES TO RECEPTACLE P/N ONLY)	02 - 2 Circuits	1 - KEY A
	205826 - DR TANG RECEPTACLE WITH CPA	3 - V0 MATL; FULLY POPULATED (APPLIES TO HEADER P/N ONLY)	...	2 - KEY B
ON DRAWING	206958 - DR RIGHT ANGLE SMT HEADER - STANDARD PERF.	4 - STD MATL: LAST 2 CKTS UNPOPULATED / UNUSABLE (APPLIES TO RECEPTACLE P/N ONLY)	...	3 - KEY C
OTHER	206957 - DR VERTICAL SMT HEADER - STANDARD PERF.	5 - V0 MATL: LAST 2 CKTS UNPOPULATED / UNUSABLE (APPLIES TO HEADER P/N ONLY)	22 - 22 Circuits	4 - KEY D

											V0 MATERIAL SMT HEADER						STATUS
											FULLY POPULATED			2CKTS UNPOPULATED			
INTERFACE	INTERFACE CKT SIZE	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	POL	COLOR	PART NUMBER	USABLE CKTS	Weight (g)	PART NUMBER	USABLE CKTS	Weight (g)	
	4	11.70	9.70	0.20	4.81	0.65	5.45	0.65	A	BLACK	2069583041	4	-	2069585021	2	-	INQUIRE FOR AVAILABILITY
									B	NATURAL	2069583042	4	-	2069585022	2	-	
									C	BLUE	2069583043	4	-	2069585023	2	-	
									D	VIOLET	2069583044	4	-	2069585024	2	-	
	6	13.50	11.50	1.10	5.71	1.55	6.35	1.55	A	BLACK	2069583061	6	-	2069585041	4	-	INQUIRE FOR AVAILABILITY
									B	NATURAL	2069583062	6	-	2069585042	4	-	
									C	BLUE	2069583063	6	-	2069585043	4	-	
									D	VIOLET	2069583064	6	-	2069585044	4	-	
	8	15.30	13.30	2.00	6.61	2.45	7.25	2.45	A	BLACK	2069583081	8	-	2069585061	6	-	INQUIRE FOR AVAILABILITY
									B	NATURAL	2069583082	8	-	2069585062	6	-	
									C	BLUE	2069583083	8	-	2069585063	6	-	
									D	VIOLET	2069583084	8	-	2069585064	6	-	
	10	17.10	15.10	2.90	7.51	3.35	8.15	3.35	A	BLACK	2069583101	10	2.03	2069585081	8	1.97	AVAILABLE
									B	NATURAL	2069583102	10	2.03	2069585082	8	1.97	
									C	BLUE	2069583103	10	2.03	2069585083	8	1.97	
									D	VIOLET	2069583104	10	2.03	2069585084	8	1.97	
	12	18.90	16.90	3.80	8.41	4.25	9.05	4.25	A	BLACK	2069583121	12	2.18	2069585101	10	-	AVAILABLE
									B	NATURAL	2069583122	12	2.18	2069585102	10	-	
									C	BLUE	2069583123	12	2.18	2069585103	10	-	
									D	VIOLET	2069583124	12	2.18	2069585104	10	-	
	14	20.70	18.70	4.70	9.31	5.15	9.95	5.15	A	BLACK	2069583141	14	-	2069585121	12	-	INQUIRE FOR AVAILABILITY
									B	NATURAL	2069583142	14	-	2069585122	12	-	
									C	BLUE	2069583143	14	-	2069585123	12	-	
									D	VIOLET	2069583144	14	-	2069585124	12	-	
	16	22.50	20.50	5.60	10.21	6.05	10.85	6.05	A	BLACK	2069583161	16	2.53	2069585141	14	-	AVAILABLE
									B	NATURAL	2069583162	16	2.53	2069585142	14	-	
									C	BLUE	2069583163	16	2.53	2069585143	14	-	
									D	VIOLET	2069583164	16	2.53	2069585144	14	-	
	18	24.30	22.30	6.50	11.11	6.95	11.75	6.95	A	BLACK	2069583181	18	2.71	2069585161	16	-	AVAILABLE
									B	NATURAL	2069583182	18	2.71	2069585162	16	-	
									C	BLUE	2069583183	18	2.71	2069585163	16	-	
									D	VIOLET	2069583184	18	2.71	2069585164	16	-	
	20	26.10	24.10	7.40	12.01	7.85	12.65	7.85	A	BLACK	2069583201	20	-	2069585181	18	-	INQUIRE FOR AVAILABILITY
									B	NATURAL	2069583202	20	-	2069585182	18	-	
									C	BLUE	2069583203	20	-	2069585183	18	-	
									D	VIOLET	2069583204	20	-	2069585184	18	-	
	22	27.90	25.90	8.30	12.91	8.75	13.55	8.75	A	BLACK	2069583221	22	3.06	2069585201	20	3.00	AVAILABLE
									B	NATURAL	2069583222	22	3.06	2069585202	20	3.00	
									C	BLUE	2069583223	22	3.06	2069585203	20	3.00	
									D	VIOLET	2069583224	22	3.06	2069585204	20	3.00	
PERFORMANCE MARK: S																	



- NOTES:
- VALID UNLESS OTHERWISE SPECIFIED
1. GENERAL:
- 1.1 APPLICATION SPECIFICATION SEE: 2046310000-AS

1.2 PRODUCT SPECIFICATION SEE: 2046310000-PS

1.3 PACKAGING SPECIFICATION PER MOLEX DRAWING: 2069579000

1.3.1 PACKAGING IS TAPE & REEL

1.4 COMPATIBLE WITH STANDARD AK INTERFACE C-114-94000-20 REV A1

1.5 CONFORMS TO MOLEX AK INTERFACE 2046310002 REV A

1.5.1 MOLEX AK INTERFACE IS PART OF PPAP

1.6 INDICATED CIRCUITS DO NOT CONTAIN PINS IN DEPOPULATED HEADER VERSION

1.7 TRACEABILITY TO BE MARKED IN AREA SHOWN. MARK IS CODED AS FOLLOWS:

ROW 1 (XXXXXX):

- "XXXXXX" IS MOLEX SMT HEADER SERIES NUMBER

ROW 2 (YYYY PZ):

- "YYYY" IS PART SUFFIX (LAST 4 DIGITS OF PART NUMBER)

- "P" IS PERFORMANCE MARK. SEE PART TABLE FOR MARKING CODE

- "Z" IS ASSEMBLY LINE ("1" INDICATES ORIGINAL LINE, "2" IS FIRST CAPACITY LINE, ETC.)

ROW 3 (HHDDDDYY):

- 1ST & 2ND DIGITS (HH): HOUR OF ASSEMBLY (EXAMPLE: 15:00 > '15'; 7:00 -> '07')

- 3RD THRU 5TH DIGITS (DDD): JULIAN DATE (EXAMPLE: FEBRUARY 3RD -> '034')

- 6TH & 7TH DIGITS (YY): LAST 2 DIGITS OF CALENDAR YEAR (EXAMPLE: 2013 -> '13')

1.8 DURING SHIPPING / HANDLING AND REFLOW EXPOSURE COPLANARITY MAY GO ABOVE THE 0.10MM LIMIT

PART SOLDERABILITY IS MAINTAINED IN THIS CONDITION.
2. DESIGN - MATERIALS:
- 2.1 SHROUD (PLASTIC HOUSING):
- 2.1.2: V0 MATERIAL HOUSINGS: PA9T-GF30%
- 2.2 PINS:
- 2.2.1 STANDARD PERFORMANCE PINS:
- BASE MATERIAL: C26000 BRASS
- UNDERPLATING (CONTACT REGION): NICKEL 1.0 - 1.8 μm
- OVERPLATING (CONTACT REGION): MATTE TIN 1.0 - 3.0 μm

INSPECTION BALLOON LOG	E5	UPDATED: ADDED WEIGHTS TO BOM TABLE
	E4:	UPDATED: MOLEX SYMBOL COUNT
	E3:	UPDATED: ADDED WEIGHTS TO BOM TABLE
	E2	UPDATED: 12 16 CKT PRODUCTS ADD TO FAMILY WITH NO VOID CPA
	E1	UPDATED: 1.6 SYMBOL ARROW LOCATION TO CORRECT CALLOUT ON BOM TABLE
PER DRAWING REVISION: E4	E	REMOVED: NOTE 2.1.1; ALL SPS PART NUMBERS
TOTAL BALLOONS: 14	D5	ADDED: NOTE 1.8; DIM 11a
ADDED BALLOONG NUMBERS: 11a	D4	UPDATED: UNDERPLATING THICKNESS (NOTE 2.2.1)
REMOVED BALLOON NUMBERS:	D3	CORRECTED: DIM C DIMENSIONS
	D2	UPDATED: TOLERANCE ON DIM 5 FROM (+0.05/-0.10) TO (+0.05/-0.15).
	REV	DESCRIPTION

FUNCTIONAL SYMBOLS

F A = 0

F C = 0

F P = 0

DIVISIONAL SYMBOLS

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: ADD THE PART WEIGHT OF 18CKT

mm

5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 0.5°

4 PLACES ±

3 PLACES ±

2 PLACES ±

1 PLACE ±

0 PLACES ±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

SERIES

STATUS: Production

DRWN: Kenneth Dai

CHK'D: Nick Wang

APPR: Ringo Hu

2025-11-27

2025-12-02

2025-12-04

CONNTAK50 DR R/A SMT HEADER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

2046320003

PSD

000

E5

MATERIAL NUMBER

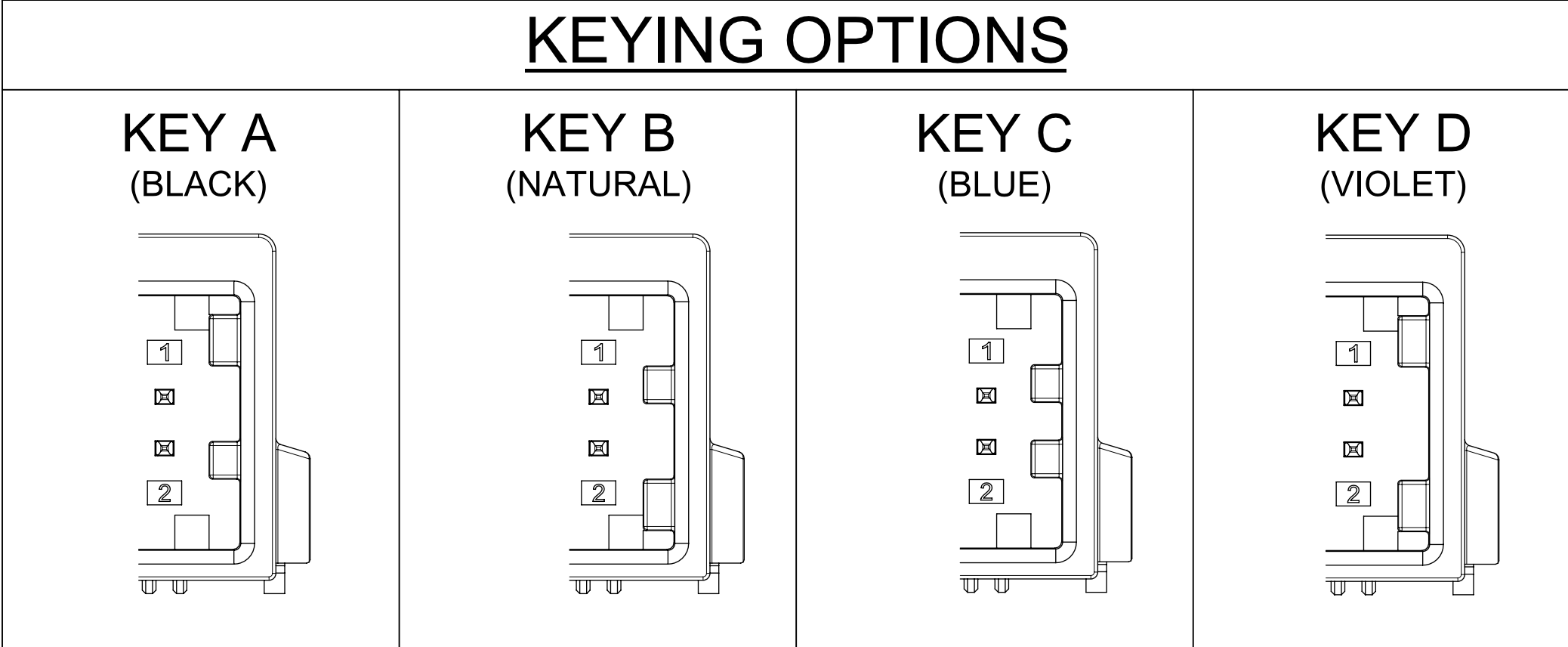
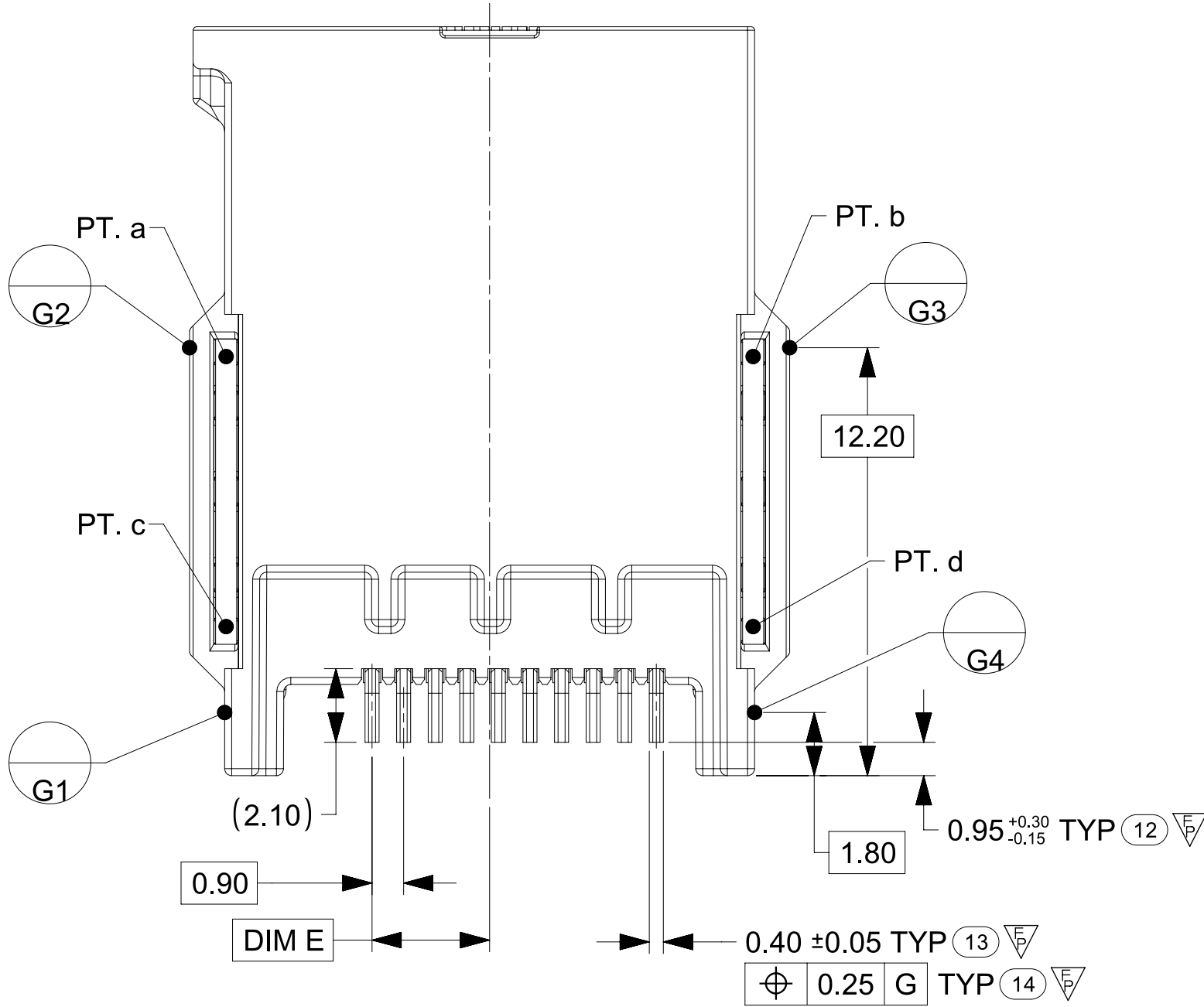
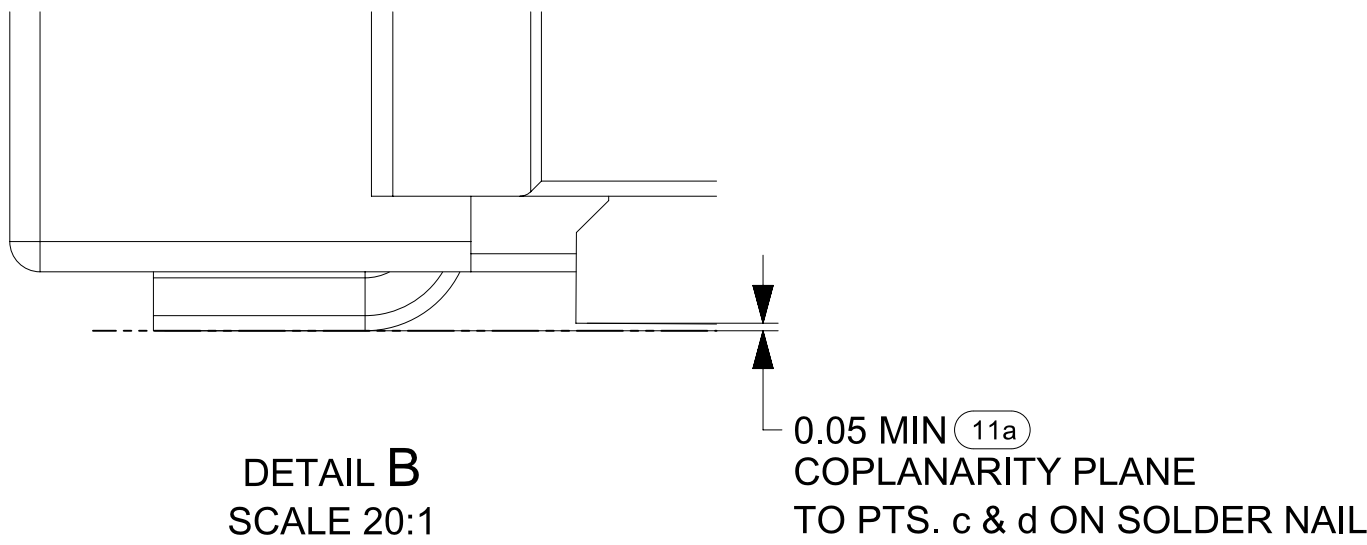
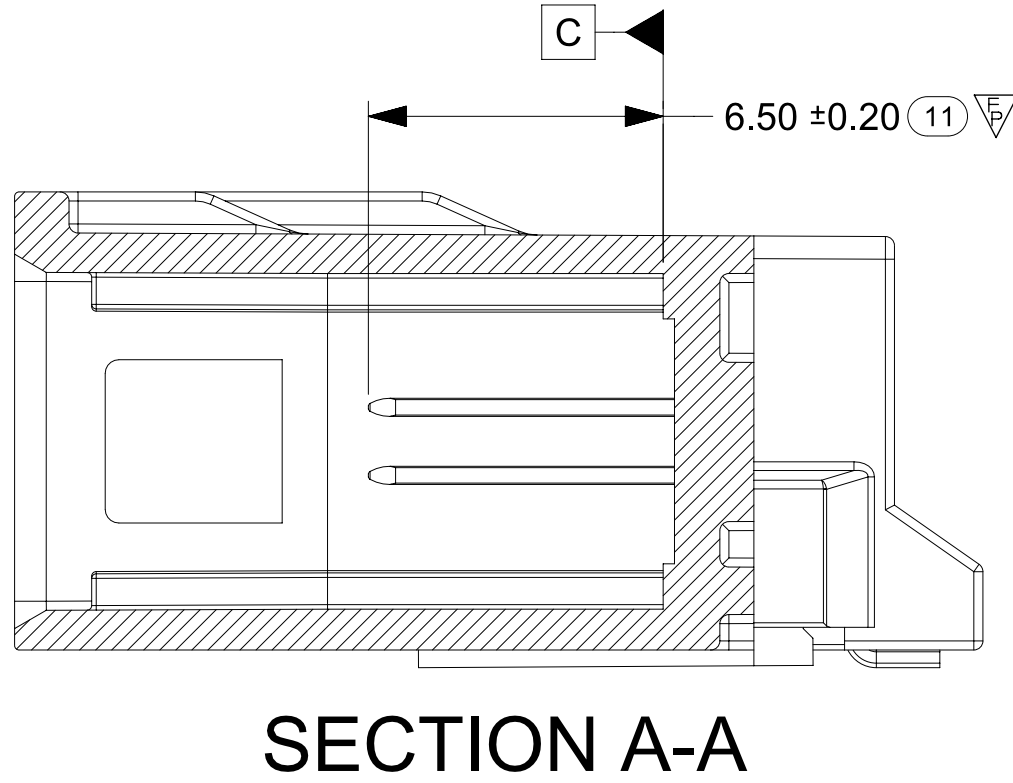
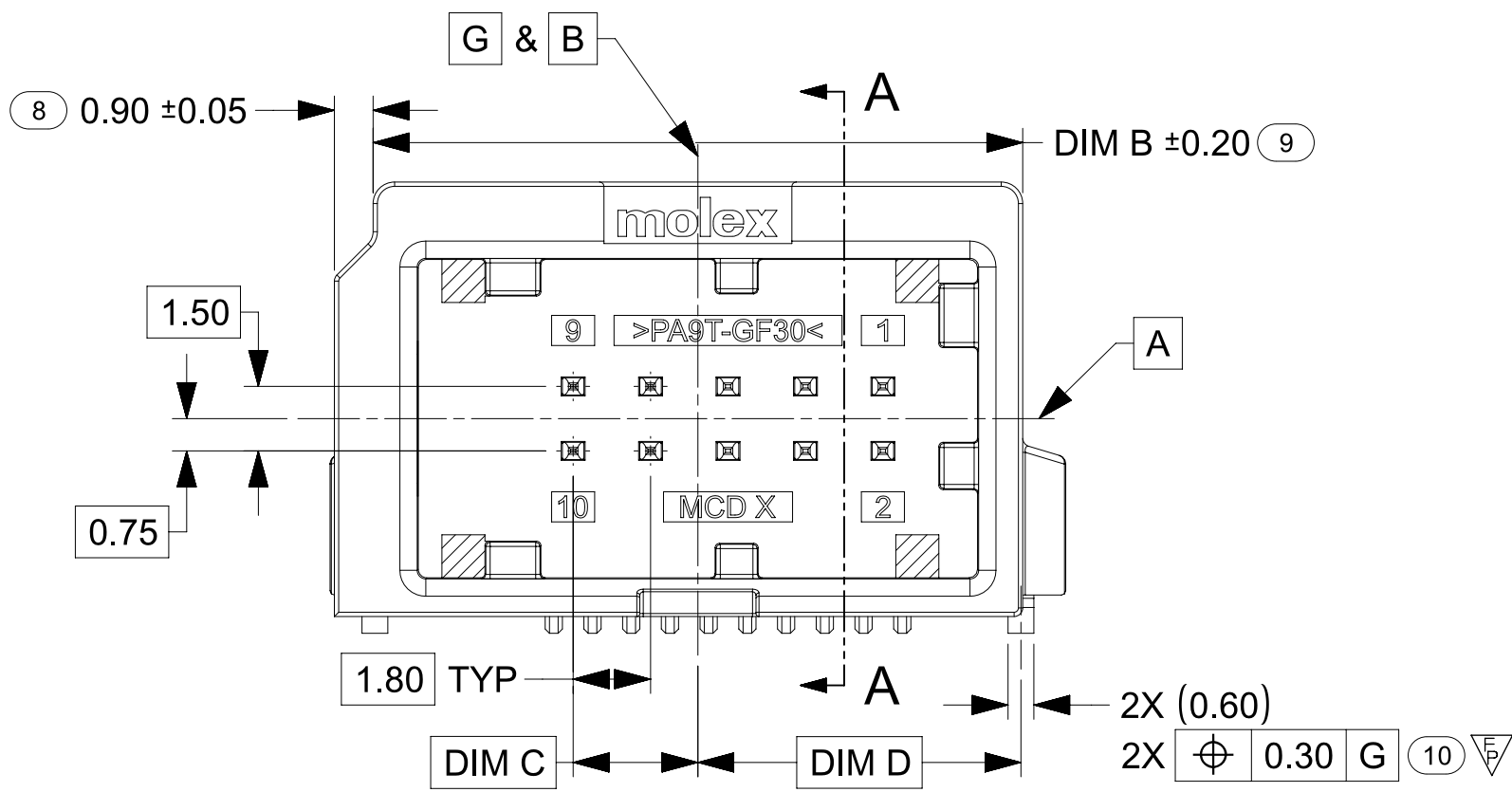
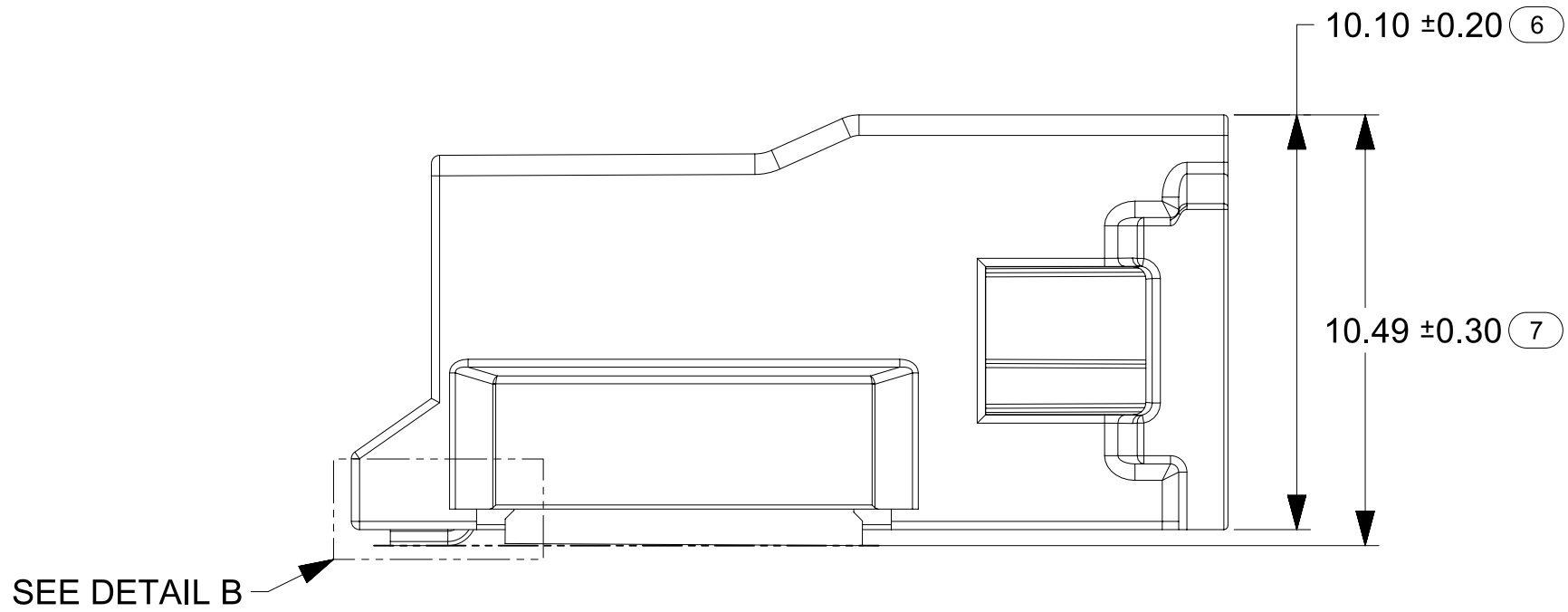
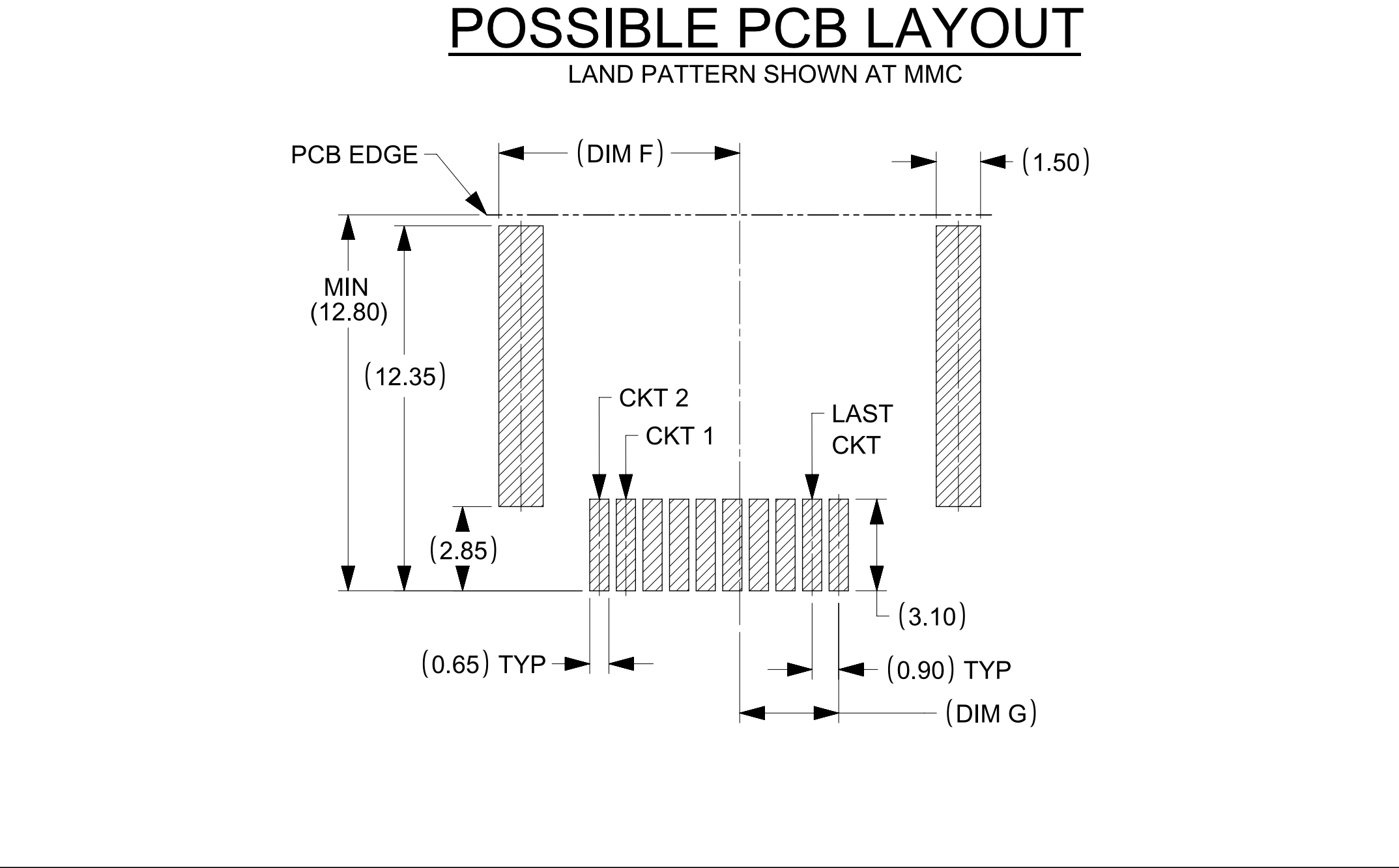
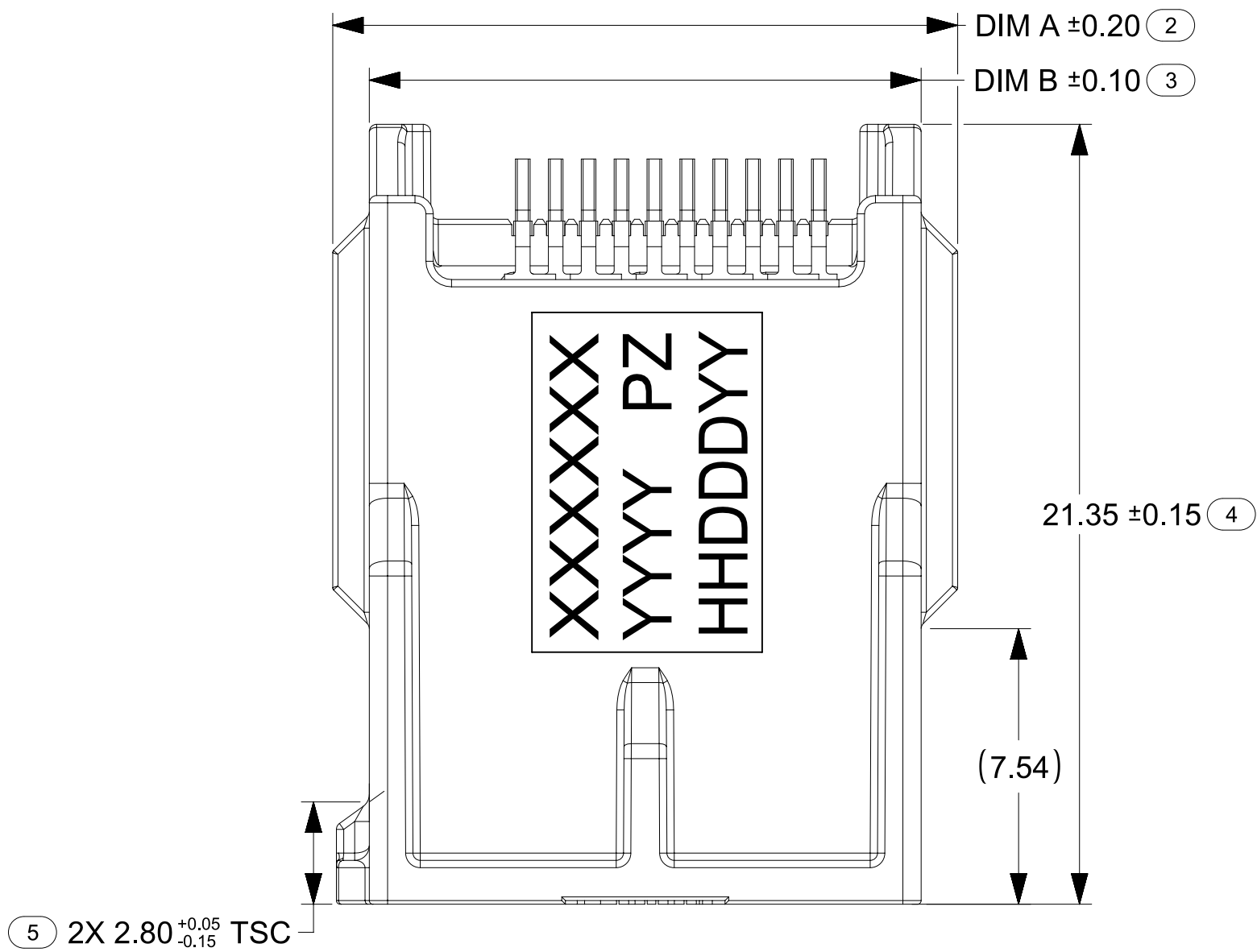
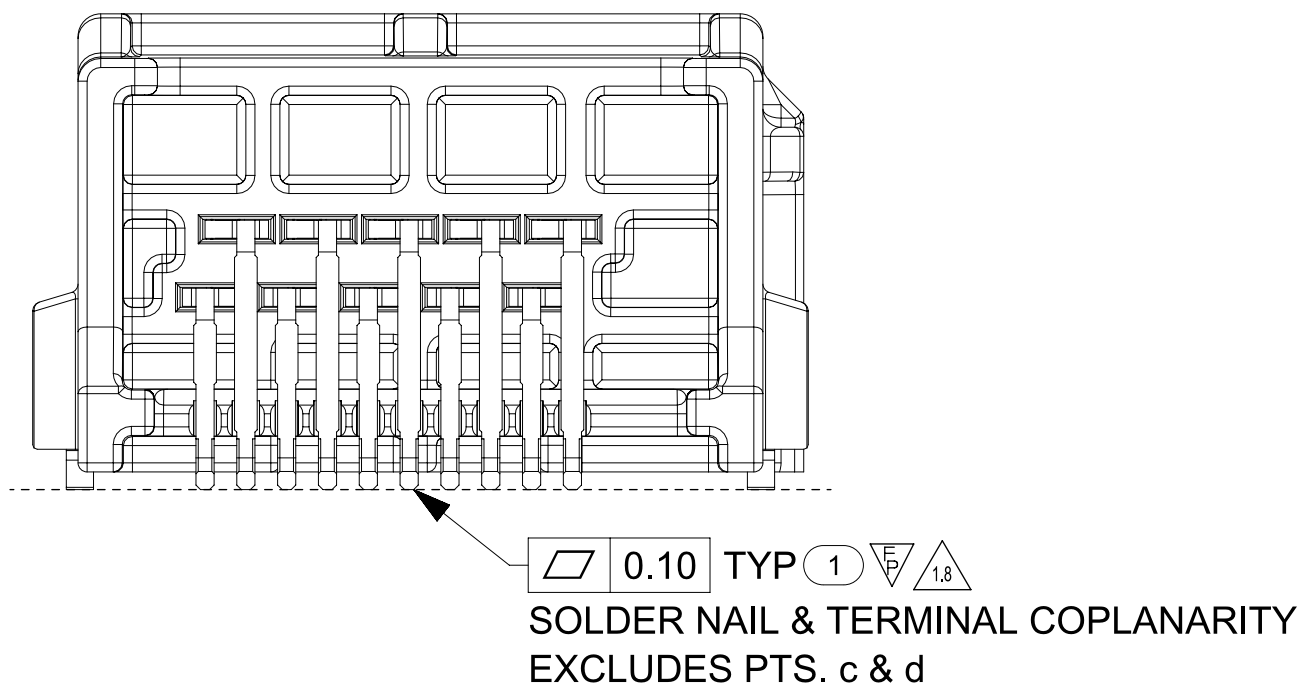
CUSTOMER

SHEET NUMBER

GENERAL MARKET

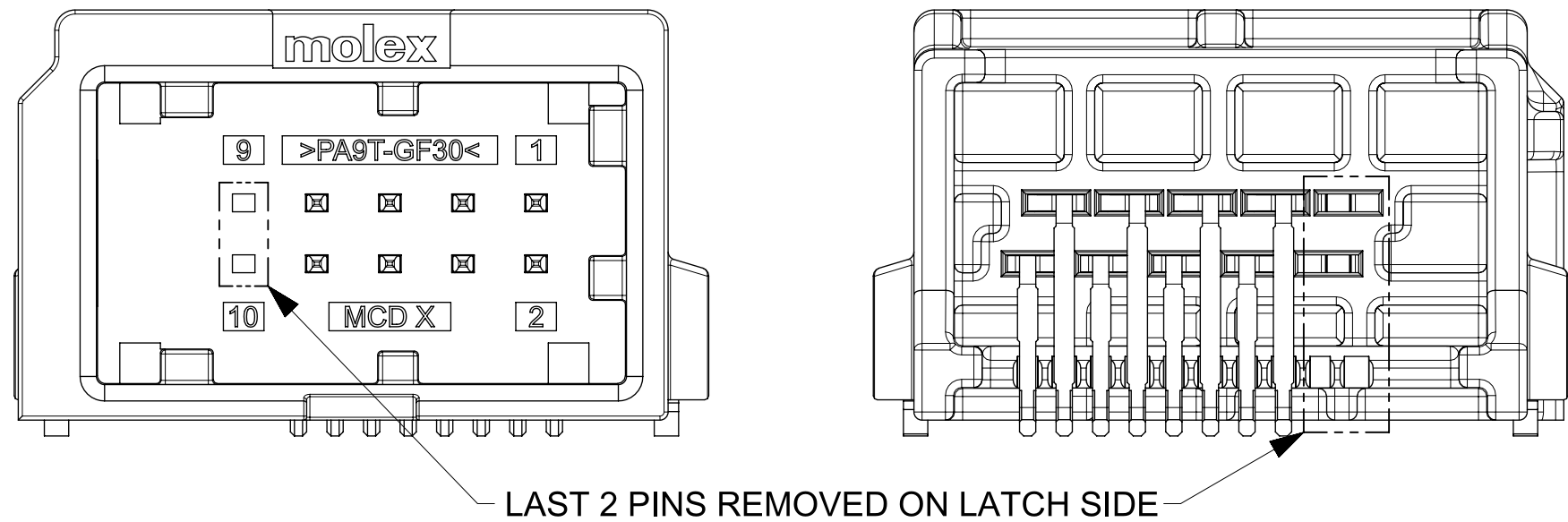
1 OF 2

10CKT KEY A (2069583101) SHOWN EXCEPT WHERE NOTED
REFER TO 2046310002 FOR INTERFACE DIMENSIONS



DEPOPULATED HEADER

8CKT DEPOPULATED HEADER (10CKT INTERFACE) SHOWN
PART NUMBER: 2069585081



FUNCTIONAL SYMBOLS A = 0 C = 0 P = 6 DIVISIONAL SYMBOLS	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: ADD THE PART WEIGHT OF 18CKT			molex CONNTAK50 DR R/A SMT HEADER PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER 2046320003 DRAWING D-SIZE SERIES 204632 MATERIAL NUMBER CUSTOMER GENERAL MARKET SHEET NUMBER 2 OF 2								
	mm		6:1													
	GENERAL TOLERANCES (UNLESS SPECIFIED)															
	ANGULAR TOL ± 0.5°															
	4 PLACES		±													
	3 PLACES		±													
	2 PLACES		±													
	1 PLACE		±													
	0 PLACES		±													
STATUS: Production					2025-11-27			DOC TYPE			DOC PART		REVISION			
DRWN: Kenneth Dai					2025-12-02			PSD		000		E5				
CHK'D: Nick Wang					2025-12-04											
APPR: Ringo Hu																
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
							D-SIZE		204632				GENERAL MARKET		2 OF 2	