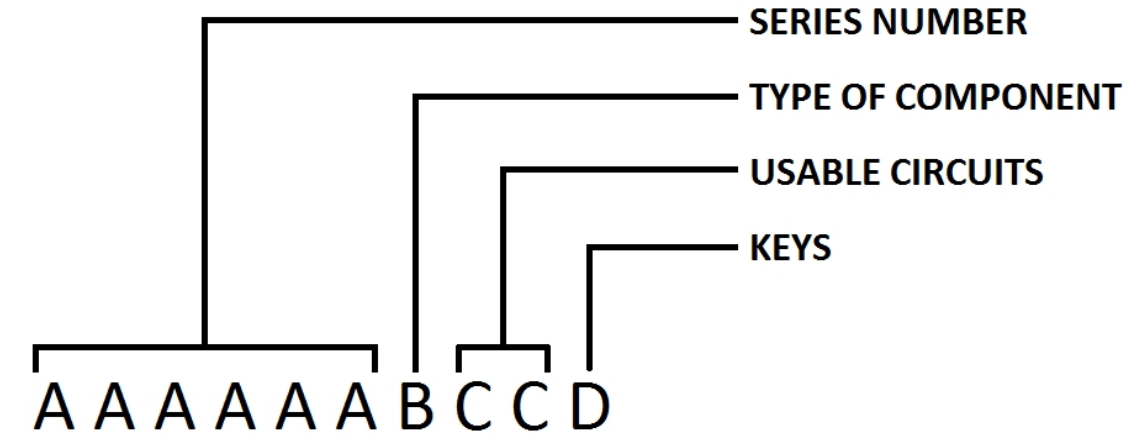


CONNTAK50 DUAL ROW RIGHT ANGLE SMT HEADERS

PART NUMBER EXAMPLE:

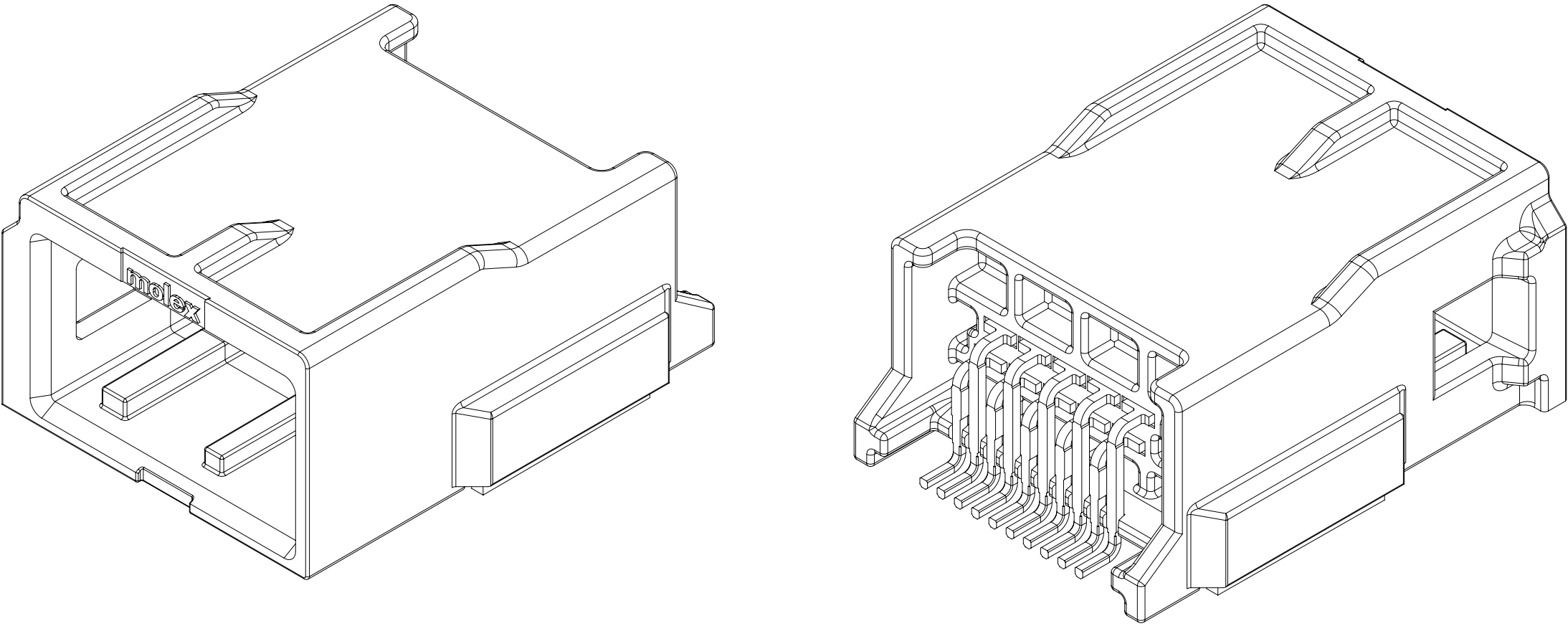
PN 2069583101
206958 - SERIES NUMBER: DUAL ROW RIGHT ANGLE SMT HEADER - STANDARD PERF
3 - TYPE OF COMPONENT: STANDARD MATERIAL; FULLY POPULATED
10 - 10 USABLE CIRCUITS
1 - KEY A

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

10CKT HEADER:



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):

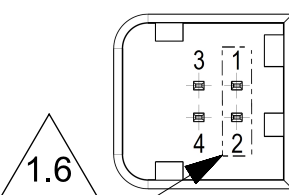
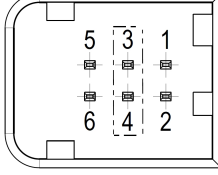
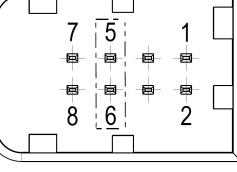
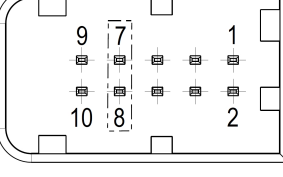
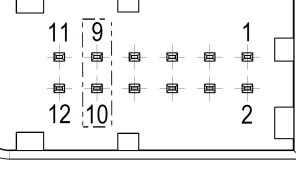
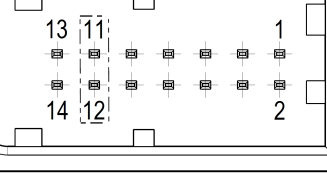
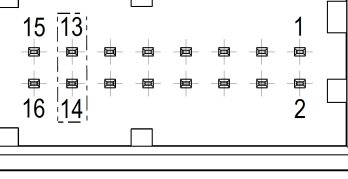
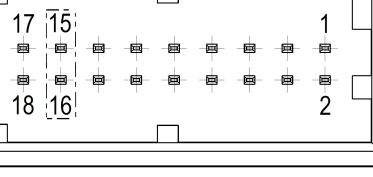
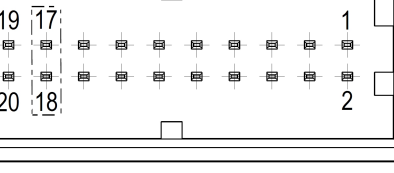
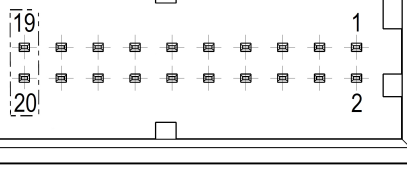
2.1.2: V0 MATERIAL HOUSINGS: PA9T-GF30%

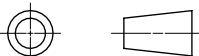
2.2 PINS:

- 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

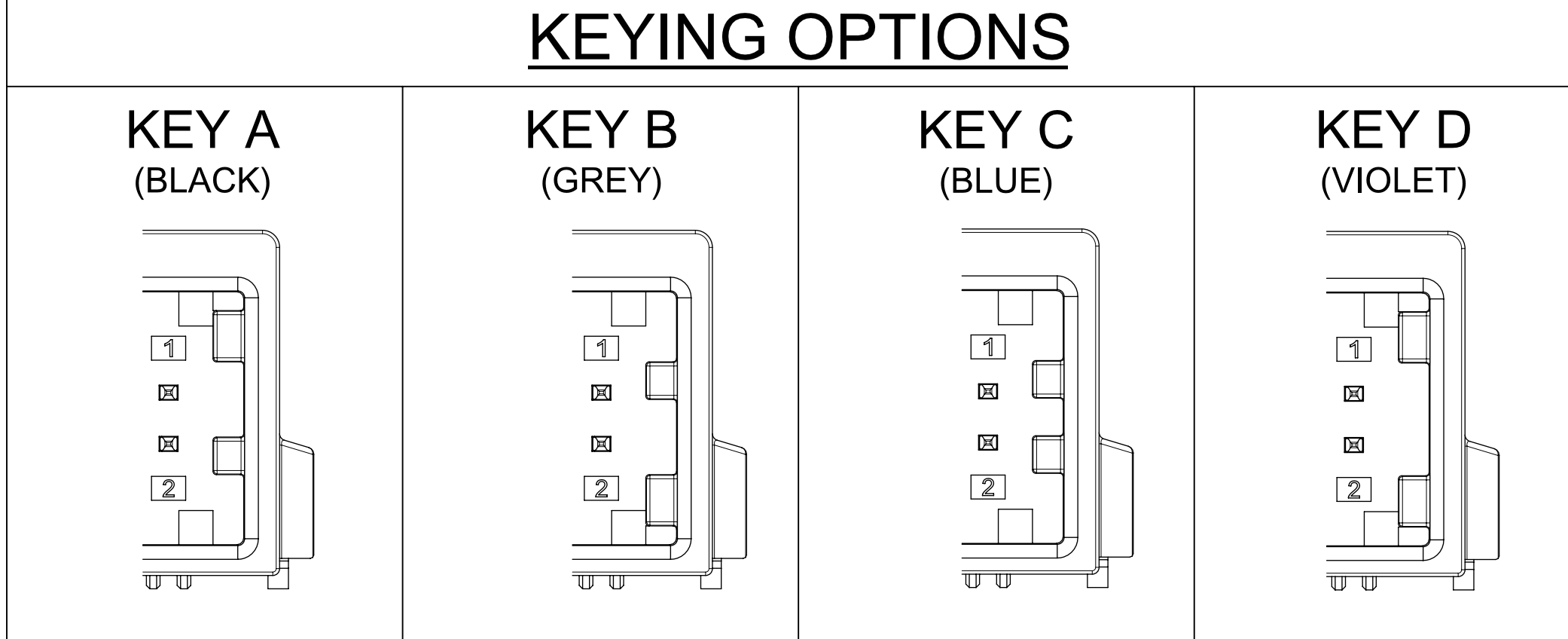
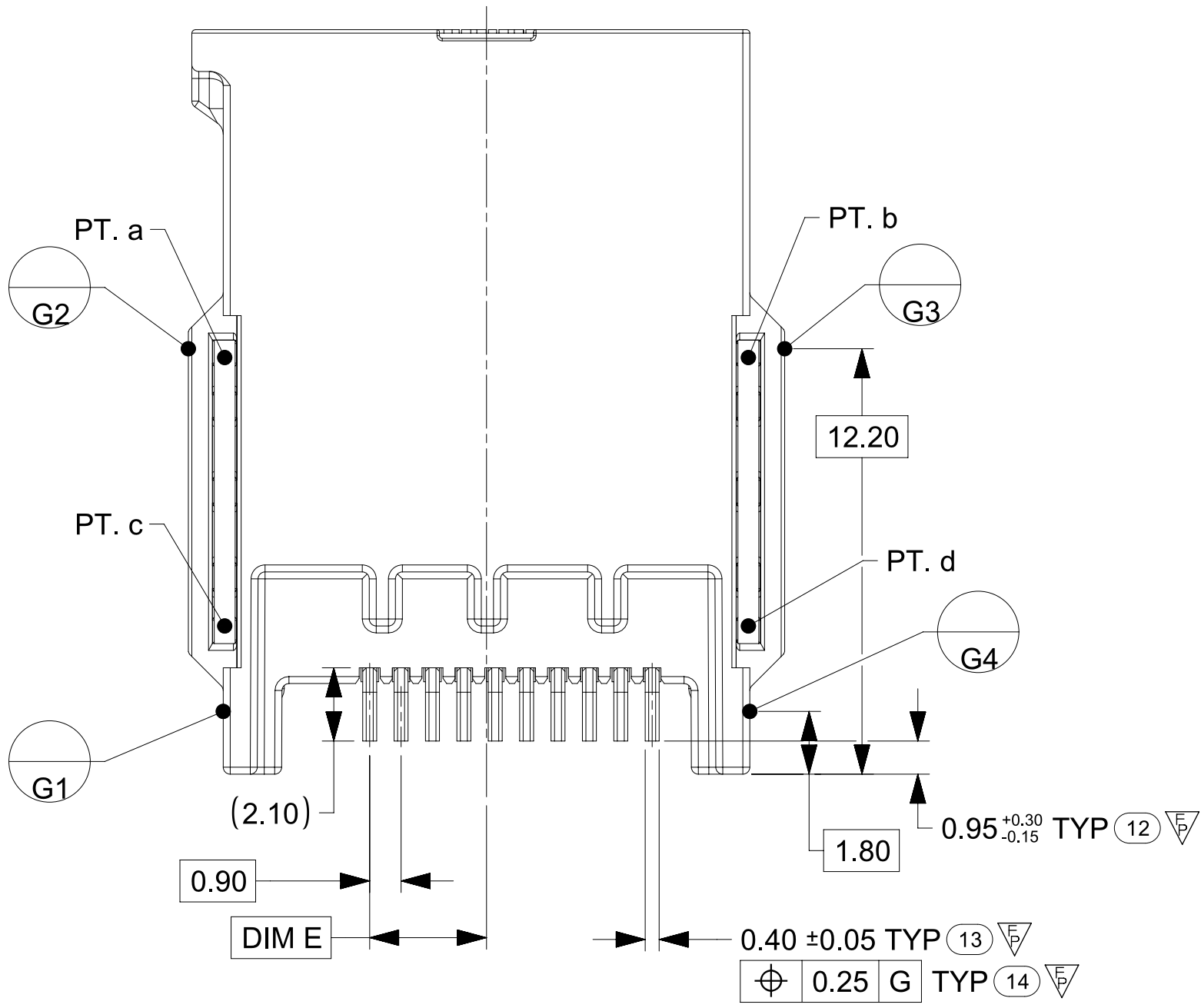
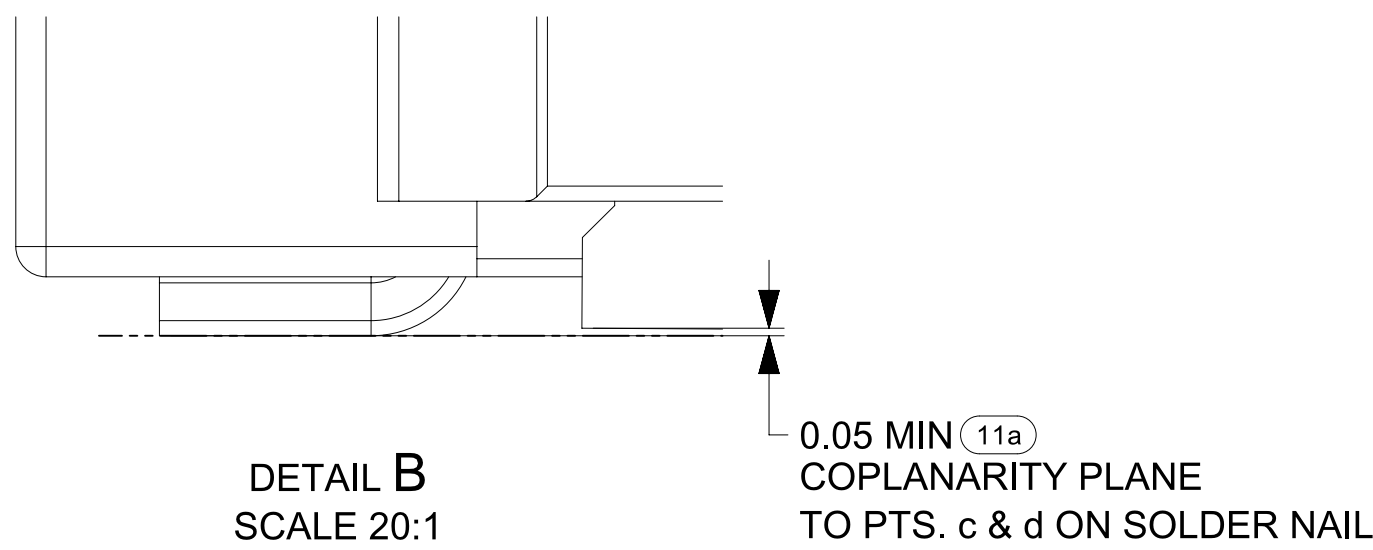
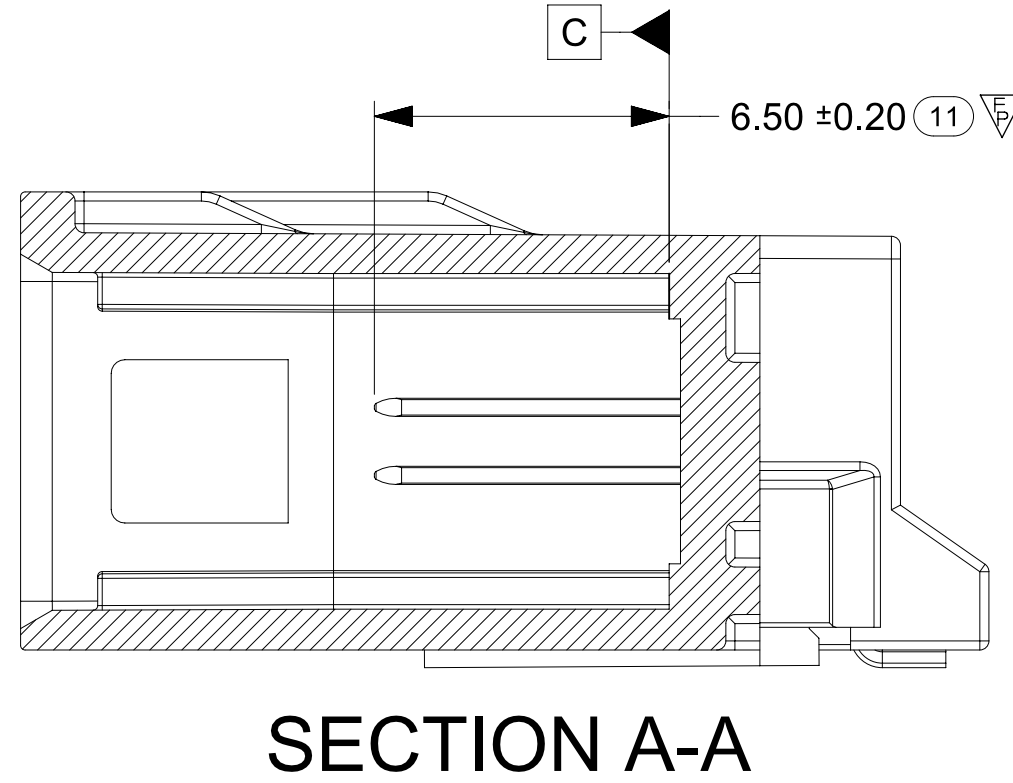
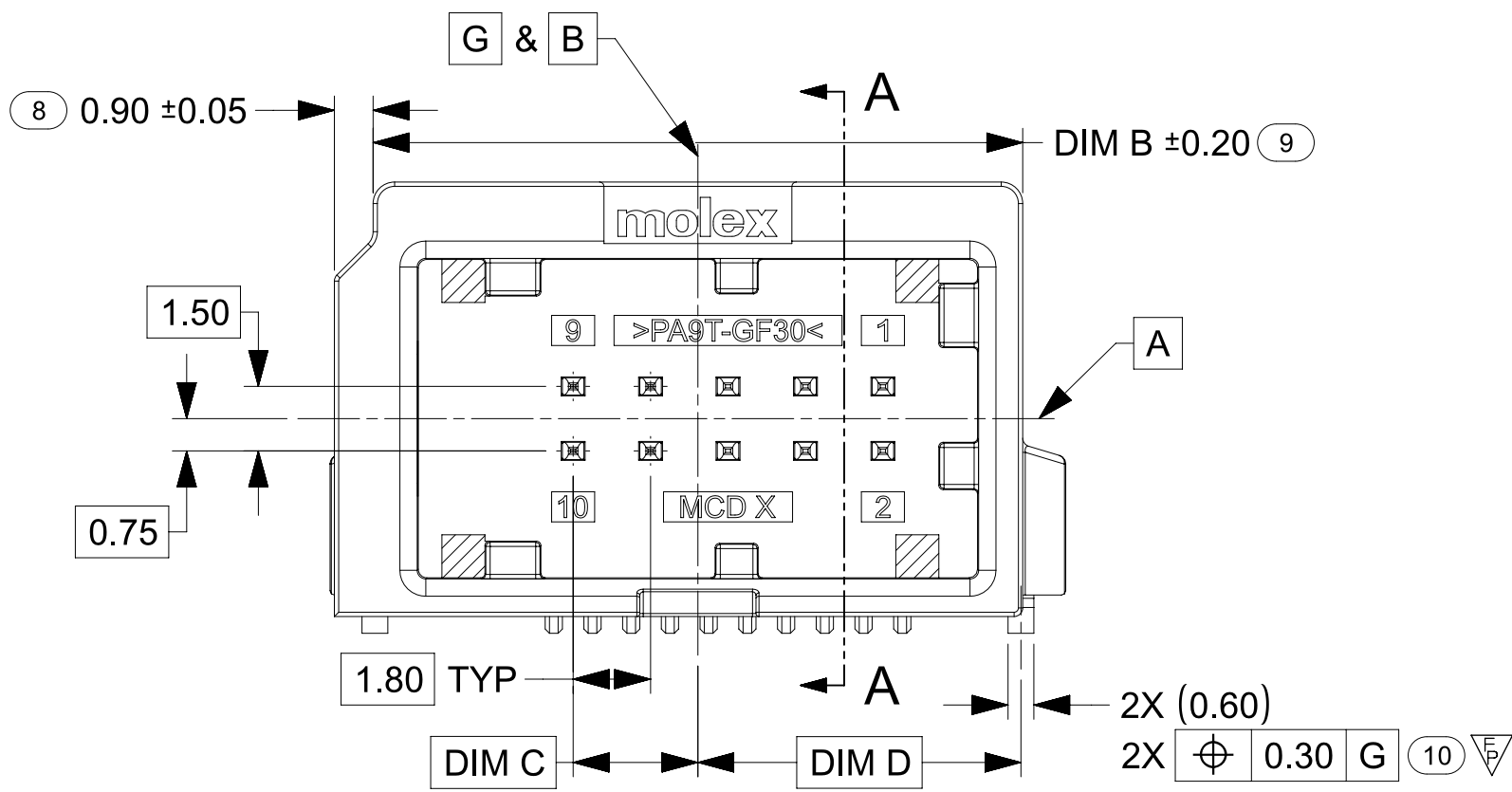
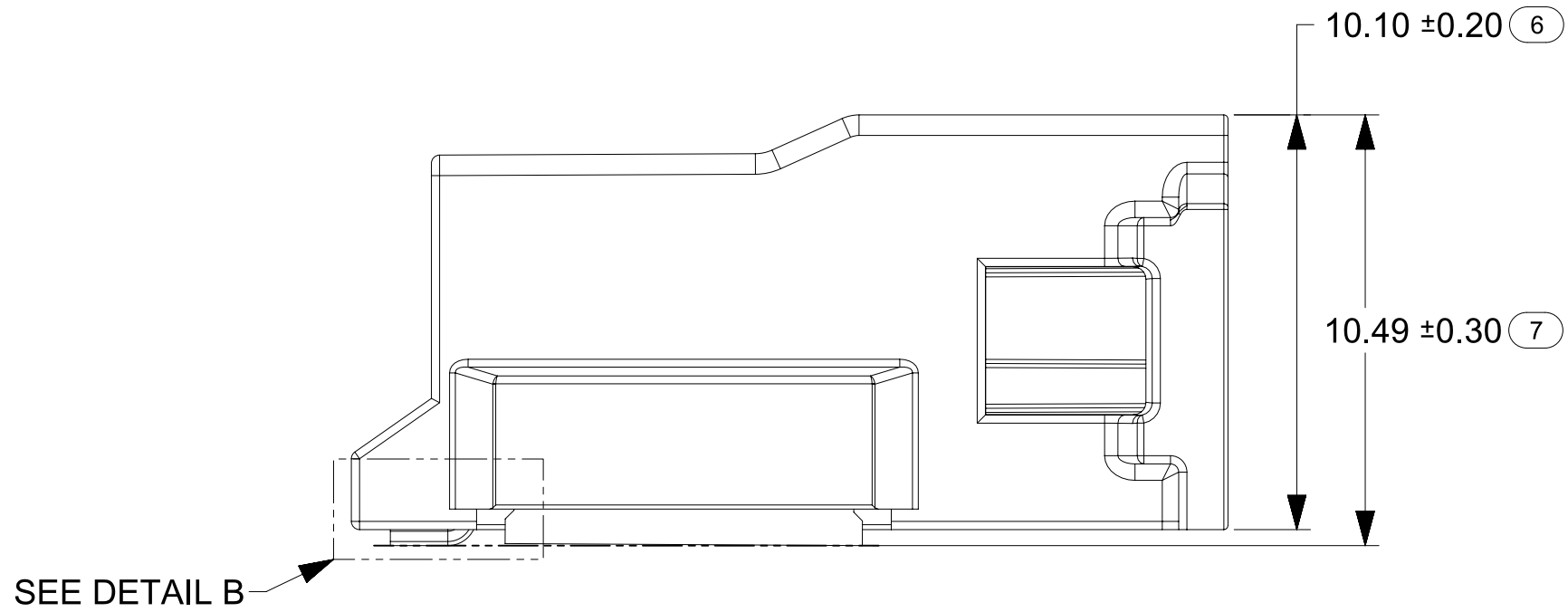
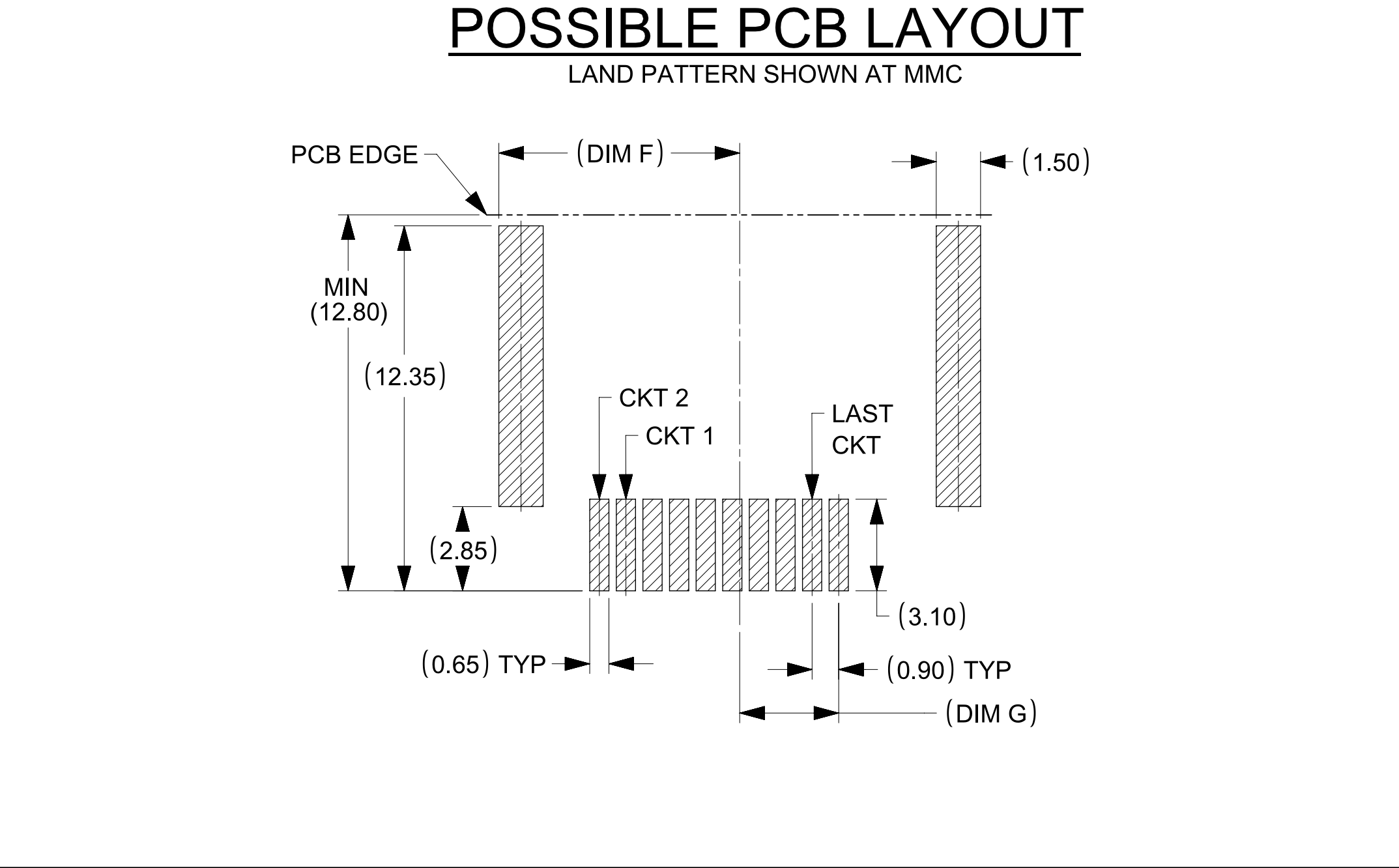
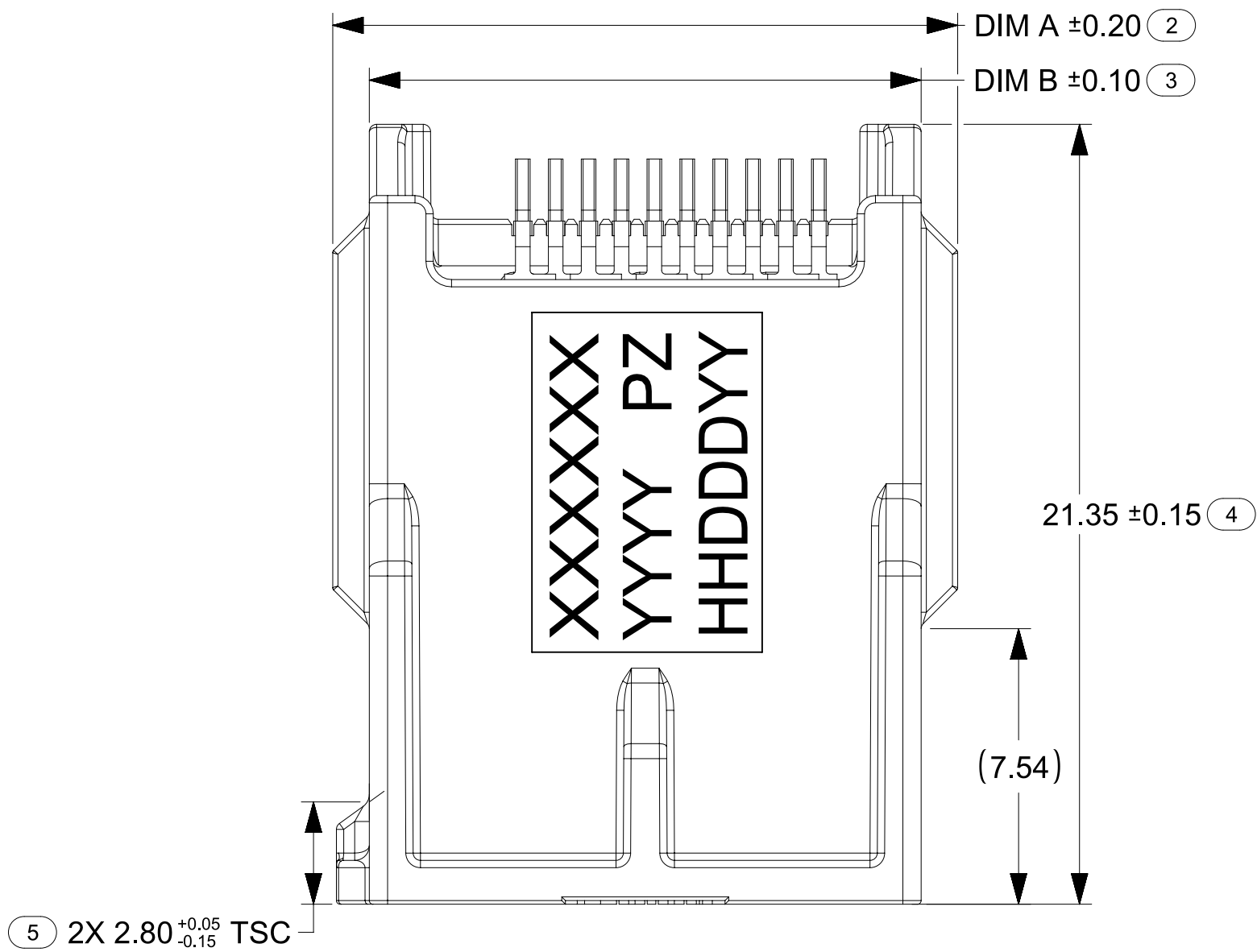
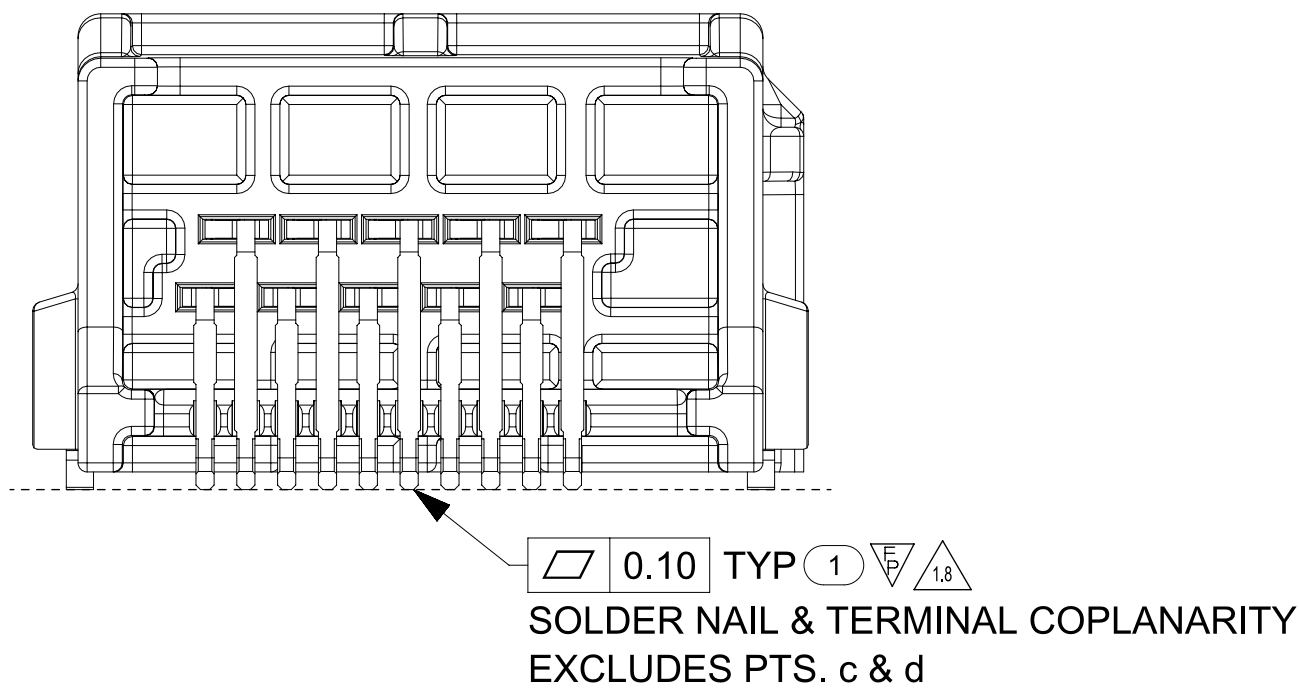
3. DESIGN - GEOMETRY:

3.1 GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009

												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	PART NUMBER	USABLE CKTS		
	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	2069585081	8	AVAILABLE
											B NATURAL	2069583102	10	2069585082	8	
											C BLUE	2069583103	10	2069585083	8	
											D VIOLET	2069583104	10	2069585084	8	
	12	18.90	16.90	3.80	8.41	4.25	9.05	4.25			A BLACK	2069583121	12	2069585101	10	INQUIRE FOR AVAILABILITY
											B NATURAL	2069583122	12	2069585102	10	
											C BLUE	2069583123	12	2069585103	10	
											D VIOLET	2069583124	12	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	2069585141	14	INQUIRE FOR AVAILABILITY
											B NATURAL	2069583162	16	2069585142	14	
											C BLUE	2069583163	16	2069585143	14	
											D VIOLET	2069583164	16	2069585144	14	
	18	24.30	22.30	6.50	11.11	6.95	11.75	6.95			A BLACK	2069583181	18	2069585161	16	INQUIRE FOR AVAILABILITY
											B NATURAL	2069583182	18	2069585162	16	
											C BLUE	2069583183	18	2069585163	16	
											D VIOLET	2069583184	18	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	2069585201	20	AVAILABLE
											B NATURAL	2069583222	22	2069585202	20	
											C BLUE	2069583223	22	2069585203	20	
											D VIOLET	2069583224	22	2069585204	20	
PERFORMANCE MARK: S																

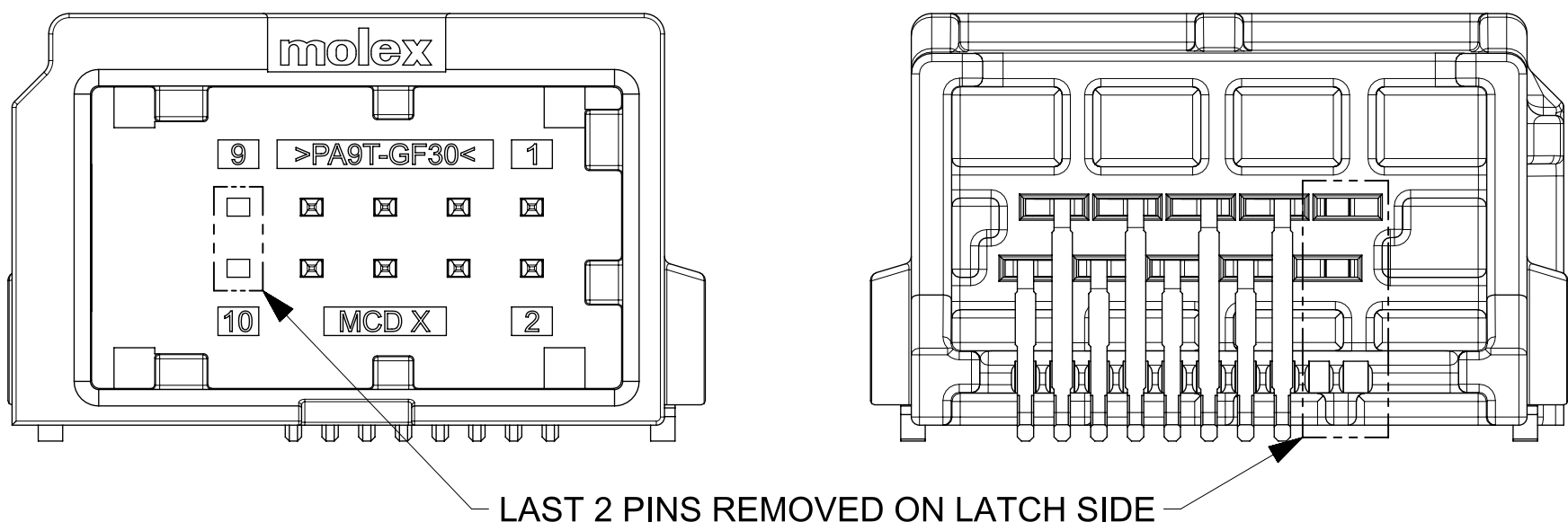
			E	REMOVED; NOTE 2.1.1; ALL SPS PART NUMBERS																					
INSPECTION BALLOON LOG			D5	ADDED; NOTE 1.8; DIM 11a UPDATED: DIM 1																					
PER DRAWING REVISION: E			D4	UPDATED: UNDERPLATING THICKNESS (NOTE 2.2.1)																					
TOTAL BALLOONS: 14			D3	CORRECTED: DIM C DIMENSIONS																					
ADDED BALLOONG NUMBERS: 11a			D2	UPDATED: TOLERANCE ON DIM 5 FROM (+0.05/-0.10) TO (+0.05/-0.15).																					
REMOVED BALLOON NUMBERS:			D1	UPDATED: BOM TABLE TO SAY NATURAL FOR POL B																					
			D	ADDED V0 MATERIAL PART NUMBERS; UPDATED NOTE 2.1																					
			REV	DESCRIPTION																					
FUNCTIONAL SYMBOLS														THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
F_A = 0 F_C = 0 F_P = 0 DIVISIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: PHASE: CO NO: DRWN: Keith Hewitt2022-12-05 CHK'D: Evan Colarusso2022-12-08 APPR: Jeremy Dunaj2022-12-08 INITIAL REVISION: DRWN: Evan Colarusso2021-12-08 APPR: Jeremy Dunaj2021-12-08										molex CONNTAK50 DR R/A SMT HEADER									
		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		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER											
						D-SIZE		204632				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	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
F A = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC:					molex							
	mm		6:1														
F C = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				PHASE: CO NO: DRWN: Keith Hewitt 2022-12-05 CHK'D: Evan Colarusso 2022-12-08 APPR: Jeremy Dunaj 2022-12-08					CONNTAK50 DR R/A SMT HEADER							
F P = 0	ANGULAR TOL ± 0.5°				INITIAL REVISION: DRWN: Evan Colarusso 2021-12-08 APPR: Jeremy Dunaj 2021-12-08					DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION			
	4 PLACES ±									2046320003		PSD	000	E			
DIVISIONAL SYMBOLS	3 PLACES ±				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
	2 PLACES ±																
DIVISIONAL SYMBOLS	1 PLACE ±				THIRD ANGLE PROJECTION					DRAWING		SERIES		GENERAL MARKET		2 OF 2	
	0 PLACES ±																
DIVISIONAL SYMBOLS	0 PLACES ±									D-SIZE		204632					