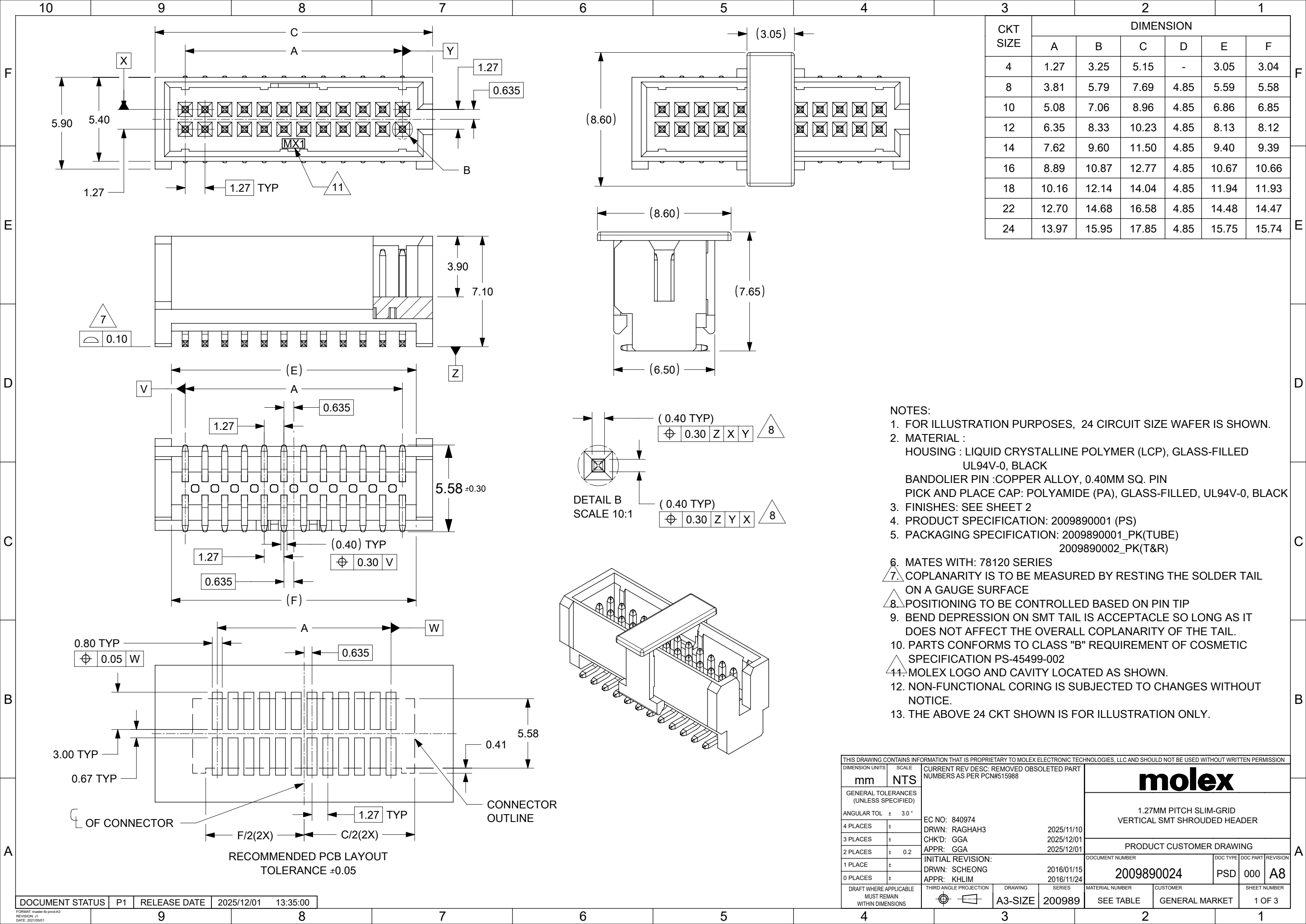
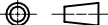




CKT SIZE	DIMENSION					
	A	B	C	D	E	F
4	1.27	3.25	5.15	-	3.05	3.04
8	3.81	5.79	7.69	4.85	5.59	5.58
10	5.08	7.06	8.96	4.85	6.86	6.85
12	6.35	8.33	10.23	4.85	8.13	8.12
14	7.62	9.60	11.50	4.85	9.40	9.39
16	8.89	10.87	12.77	4.85	10.67	10.66
18	10.16	12.14	14.04	4.85	11.94	11.93
22	12.70	14.68	16.58	4.85	14.48	14.47
24	13.97	15.95	17.85	4.85	15.75	15.74

- NOTES:
- FOR ILLUSTRATION PURPOSES, 24 CIRCUIT SIZE WAFER IS SHOWN.
 - MATERIAL :
HOUSING : LIQUID CRYSTALLINE POLYMER (LCP), GLASS-FILLED UL94V-0, BLACK
BANDOLIER PIN :COPPER ALLOY, 0.40MM SQ. PIN
PICK AND PLACE CAP: POLYAMIDE (PA), GLASS-FILLED, UL94V-0, BLACK
 - FINISHES: SEE SHEET 2
 - PRODUCT SPECIFICATION: 2009890001 (PS)
 - PACKAGING SPECIFICATION: 2009890001_PK(TUBE)
2009890002_PK(T&R)
 - MATES WITH: 78120 SERIES
 - COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE
 - POSITIONING TO BE CONTROLLED BASED ON PIN TIP
 - BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY OF THE TAIL.
 - PARTS CONFORMS TO CLASS "B" REQUIREMENT OF COSMETIC SPECIFICATION PS-45499-002
 - MOLEX LOGO AND CAVITY LOCATED AS SHOWN.
 - NON-FUNCTIONAL CORING IS SUBJECTED TO CHANGES WITHOUT NOTICE.
 - THE ABOVE 24 CKT SHOWN IS FOR ILLUSTRATION ONLY.

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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515988				molex			
mm		NTS									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 840974 DRWN: RAGHAH3 CHK'D: GGA APPR: GGA 2025/11/10 2025/12/01 2025/12/01							
ANGULAR TOL ± 3.0°											
4 PLACES		±		PRODUCT CUSTOMER DRAWING							
3 PLACES		±									
2 PLACES		± 0.2		INITIAL REVISION: DRWN: SCHEONG APPR: KHLIM 2016/01/15 2016/11/24							
1 PLACE		±									
0 PLACES		±		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		2009890024		PSD		000 A8	
						A3-SIZE		200989		SEE TABLE	

10	9	8	
CKT SIZE	ASSEMBLY WITHOUT CAP IN TUBE P/N	ASSEMBLY WITH CAP IN T&R P/N	TAPE & REEL TOOLED
8	200989-0108	200989-2108	N
	200989-0208	200989-2208	
10	---	---	Y
	200989-0210	200989-2210	

LEGEND

200989 - X X X X

CKT SIZE
04 = 4 CKTS
.
24 = 24 CKTS

FINISHES
0 = 0.05um Au MIN. GOLD ON CONTACT AND 2.00um MIN. MATTE TIN ON SOLDERTAIL OVER 1.27um MIN. NICKEL UNDERPLATE OVERALL
1 = 0.38um Au MIN. GOLD ON CONTACT AND 2.00um MIN. MATTE TIN ON SOLDERTAIL OVER 1.27um MIN. NICKEL UNDERPLATE OVERALL
2 = 0.76um Au MIN. GOLD ON CONTACT AND 2.00um MIN. MATTE TIN ON SOLDERTAIL OVER 1.27um MIN. NICKEL UNDERPLATE OVERALL

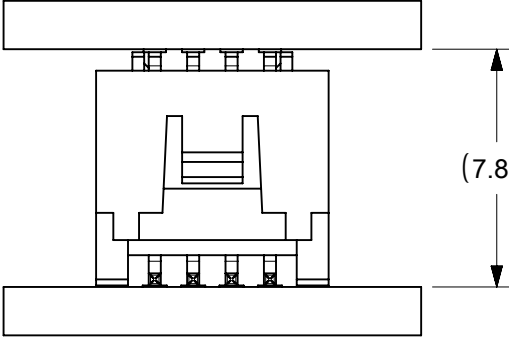
PACKAGING AND CAP OPTION
0 = TUBE & WITHOUT CAP 1 = TUBE & WITH CAP 2 = TAPE & REEL (T&R) (NOT TOOLED)

DOCUMENT STATUS	P1	RELEASE DATE	2025/12/01	13:35:00
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FORMAT: master-b-prod-A3
REVISION: J1
DATE: 2021/05/01

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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515988				molex					
mm		NTS											
GENERAL TOLERANCES (UNLESS SPECIFIED)													
ANGULAR TOL		±		3.0 °		1.27MM PITCH SLIM-GRID VERTICAL SMT SHROUDED HEADER							
4 PLACES		±											
3 PLACES		±											
2 PLACES		±		0.2		PRODUCT CUSTOMER DRAWING							
1 PLACE		±											
0 PLACES		±											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				EC NO: 840974				2025/11/10					
				DRWN: RAGHAH3									
				CHK'D: GGA									
				APPR: GGA				2025/12/01					
INITIAL REVISION:								2025/12/01					
				DRWN: SCHEONG									
				APPR: KHLIM									
				2016/01/15				DOCUMENT NUMBER 2009890024					
				2016/11/24									
THIRD ANGLE PROJECTION 				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A3-SIZE		200989		SEE TABLE		GENERAL MARKET		2 OF 3	

BOARD TO BOARD (BTB) DISTANCE

HEADER	MATES WITH (RECEPTACLE)	BTB DIST.	PICTORIAL VIEW
200989	78120	7.86	

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DIMENSION UNITS	SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515988			molex			
mm	NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)								
ANGULAR TOL	± 3.0 °							
4 PLACES	±	EC NO: 840974 DRWN: RAGHAH3 2025/11/10 CHK'D: GGA 2025/12/01 APPR: GGA 2025/12/01	1.27MM PITCH SLIM-GRID VERTICAL SMT SHROUDED HEADER					
3 PLACES	±							
2 PLACES	± 0.2							
1 PLACE	±	INITIAL REVISION: DRWN: SCHEONG 2016/01/15 APPR: KHLIM 2016/11/24		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
0 PLACES	±			2009890024		PSD	000	A8
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER
			A3-SIZE	200989	SEE TABLE	GENERAL MARKET		3 OF 3