

F

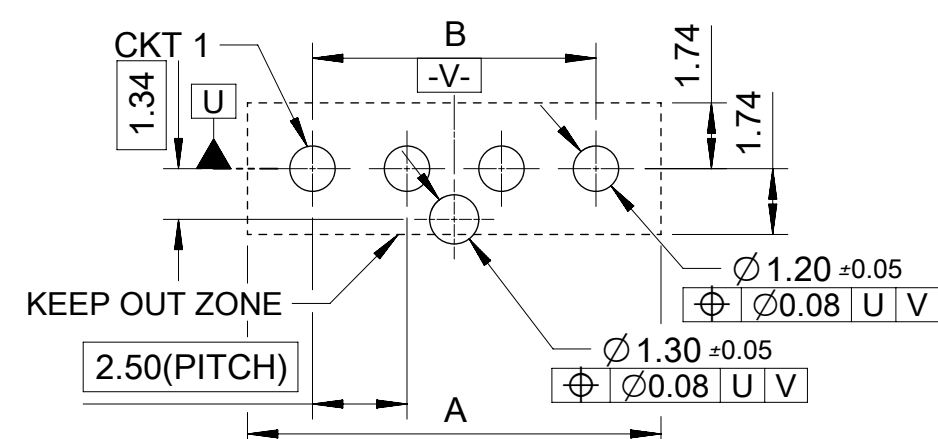
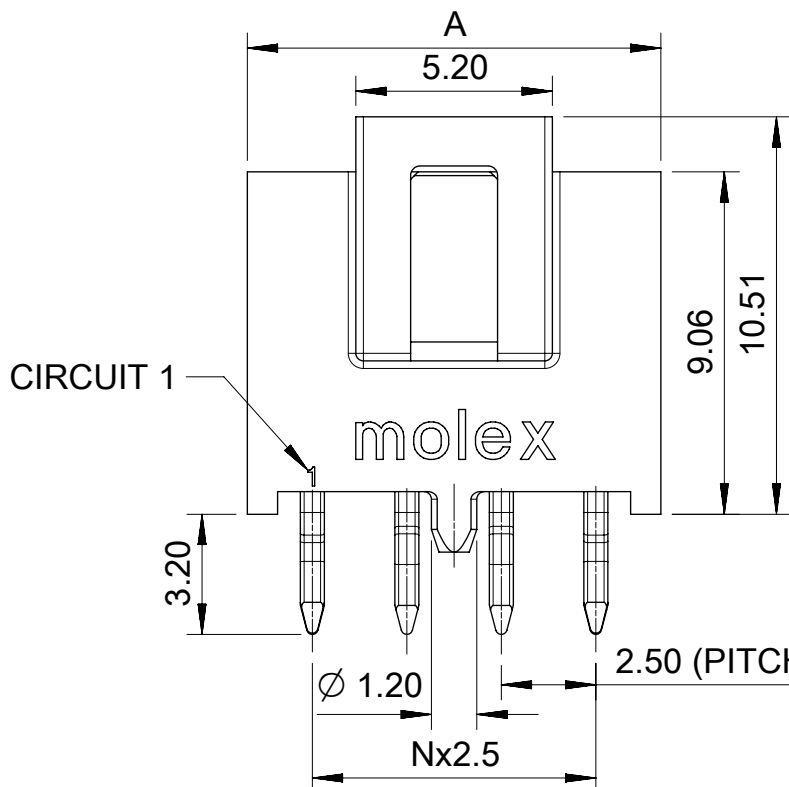
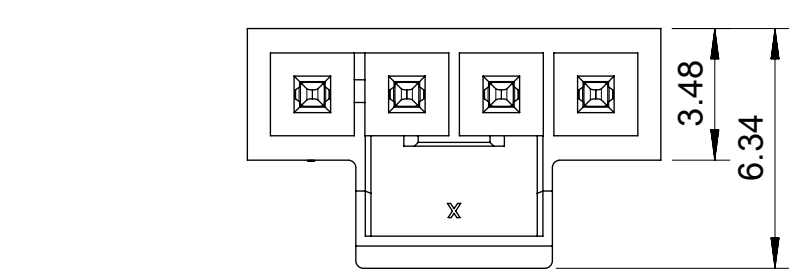
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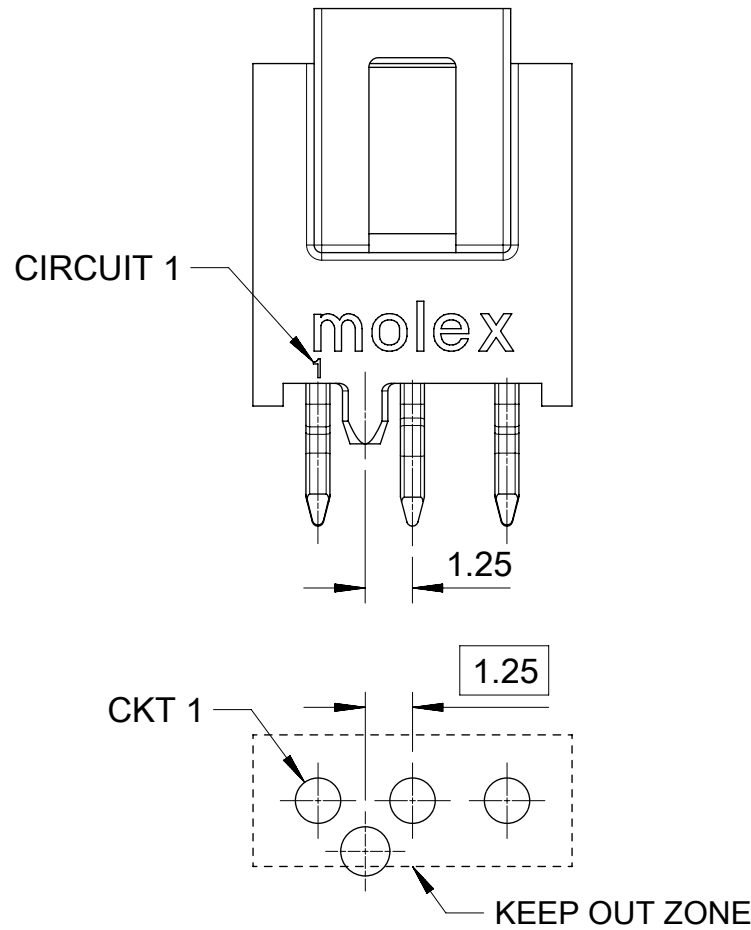
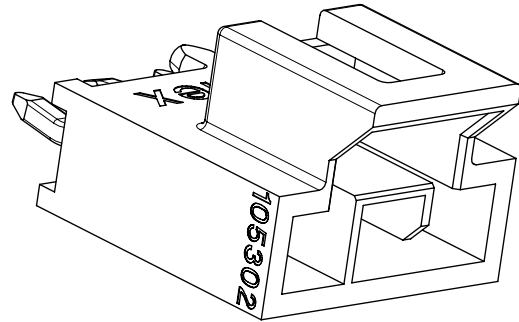
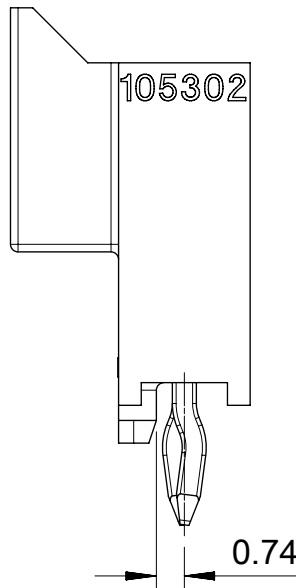
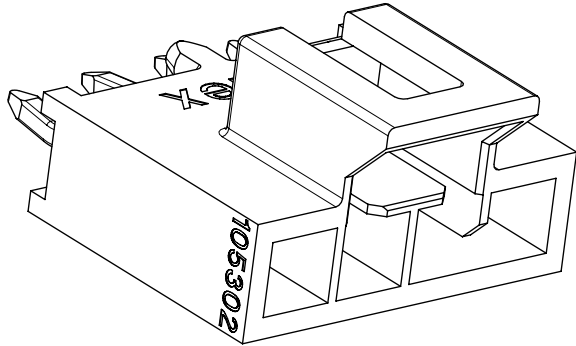
C

B

A

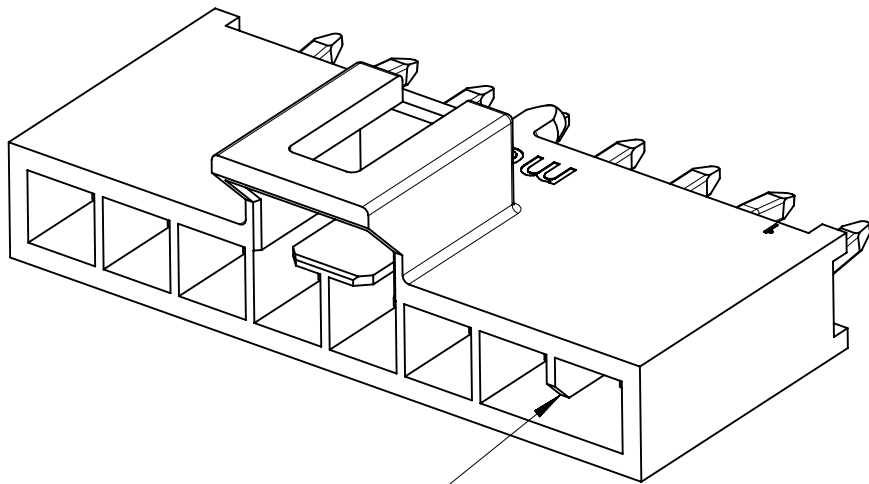


RECOMMENDED PCB(CONNECTOR SIDE VIEW)
THICKNESS= 1.6 TO 2.4 MM.

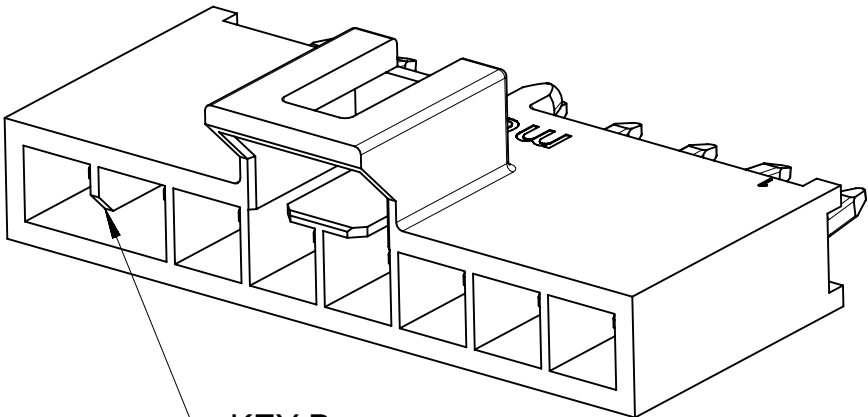


ONLY FOR CKT 3, 5, 7
OTHER DIMENSIONS REFER TO LEFT VIEWS.

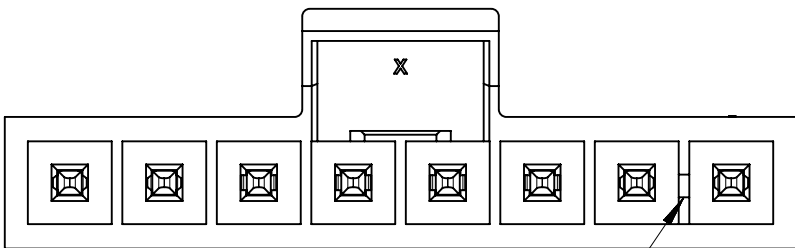
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS		SCALE	CURRENT REV DESC:				molex					
mm		NTS										
GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: 826596 DRWN: LEOW CHK'D: XQZHANG APPR: XQZHANG INITIAL REVISION: DRWN: GLLI APPR: AYIN 2014/07/14 2015/04/08				HEADER OF NANO-FIT, S/R, VERTICAL, KINK POWER CONNECTOR					
ANGULAR TOL ± 3.0 °												
4 PLACES		±					PRODUCT CUSTOMER DRAWING					
3 PLACES		± 0.1										
2 PLACES		± 0.2										
1 PLACE		± 0.3					DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION
0 PLACES		±										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
			A3-SIZE	105309	SEE TABLE		GENERAL MARKET		1 OF 5			



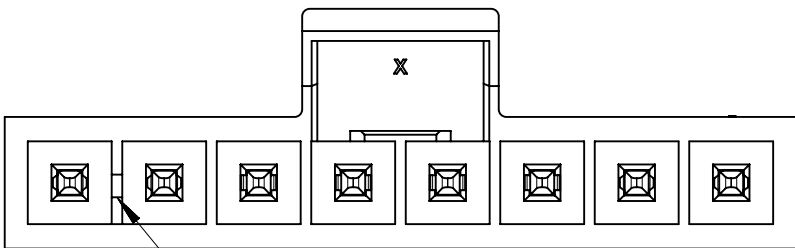
KEY A



KEY B



KEY A



KEY B

BLACK

NATURAL

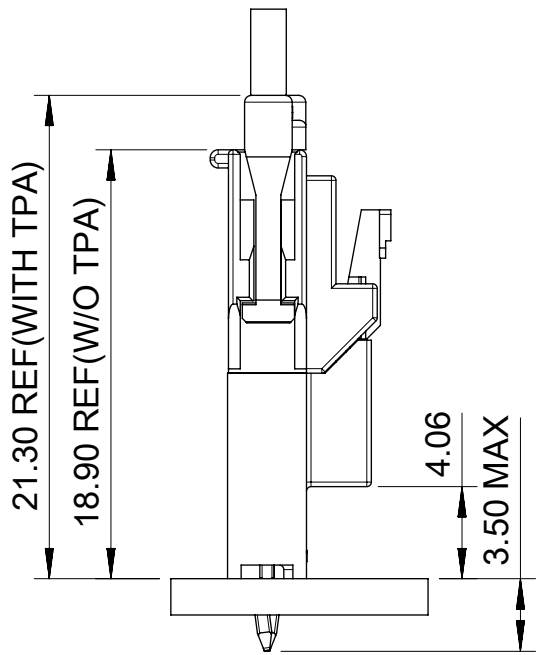
COLOR OPTION

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:				molex	
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 826596 DRWN: LEOW2025/06/19 CHK'D: XQZHANG2025/06/26 APPR: XQZHANG2025/06/26 INITIAL REVISION: DRWN: GLLI2014/07/14 APPR: AYIN2015/04/08					
ANGULAR TOL		± 3.0 °							
4 PLACES		±							
3 PLACES		± 0.1							
2 PLACES		± 0.2							
1 PLACE		± 0.3							
0 PLACES		±							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
						A3-SIZE		105309	

DOCUMENT STATUS	P1	RELEASE DATE	2025/06/26	09:45:40
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FORMAT: master-b-prod-A3
REVISION: J1
DATE: 2021/05/01

10	9		8			
PART NUMBER	DIM 'A'	DIM 'B'	CKT SIZE	PLATING	LUBE	
105309-1102	5.94	2.50	2	TIN	NO	
105309-1103	8.44	5.00	3			
105309-1104	10.94	7.50	4			
105309-1105	13.44	10.00	5			
105309-1106	15.94	12.50	6			
105309-1107	18.44	15.00	7			
105309-1108	20.94	17.50	8			
105309-1202	5.94	2.50	2	GOLD 0.38		
105309-1203	8.44	5.00	3			
105309-1204	10.94	7.50	4			
105309-1205	13.44	10.00	5			
105309-1206	15.94	12.50	6			
105309-1207	18.44	15.00	7			
105309-1208	20.94	17.50	8			
105309-1302	5.94	2.50	2	GOLD 0.76		
105309-1303	8.44	5.00	3			
105309-1304	10.94	7.50	4			
105309-1305	13.44	10.00	5			
105309-1306	15.94	12.50	6			
105309-1307	18.44	15.00	7			
105309-1308	20.94	17.50	8			
105309-1402	5.94	2.50	2	GOLD 0.76	YES	
105309-1403	8.44	5.00	3			
105309-1404	10.94	7.50	4			
105309-1405	13.44	10.00	5			
105309-1406	15.94	12.50	6			
105309-1407	18.44	15.00	7			
105309-1408	20.94	17.50	8			
COLOR: BLACK						



105309- * * * *
CIRCUIT SIZE
PLATING OPTION
1 - TIN
2 - GOLD 0.38
3 - GOLD 0.76
4 - GOLD AND LUBE
COLOR OPTION
1 - BLACK
2 - NATURAL

	3		2		1	
PART NUMBER	DIM 'A'	DIM 'B'	CKT SIZE	PLATING	LUBE	
105309-2102	5.94	2.50	2	TIN	NO	
105309-2103	8.44	5.00	3			
105309-2104	10.94	7.50	4			
105309-2105	13.44	10.00	5			
105309-2106	15.94	12.50	6			
105309-2107	18.44	15.00	7			
105309-2108	20.94	17.50	8			
105309-2202	5.94	2.50	2	GOLD 0.38		
105309-2203	8.44	5.00	3			
105309-2204	10.94	7.50	4			
105309-2205	13.44	10.00	5			
105309-2206	15.94	12.50	6			
105309-2207	18.44	15.00	7			
105309-2208	20.94	17.50	8			
105309-2302	5.94	2.50	2	GOLD 0.76		
105309-2303	8.44	5.00	3			
105309-2304	10.94	7.50	4			
105309-2305	13.44	10.00	5			
105309-2306	15.94	12.50	6			
105309-2307	18.44	15.00	7			
105309-2308	20.94	17.50	8			
105309-2402	5.94	2.50	2	GOLD 0.76	YES	
105309-2403	8.44	5.00	3			
105309-2404	10.94	7.50	4			
105309-2405	13.44	10.00	5			
105309-2406	15.94	12.50	6			
105309-2407	18.44	15.00	7			
105309-2408	20.94	17.50	8			
COLOR: NATURAL						

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DIMENSION UNITS	SCALE	CURRENT REV DESC:		molex HEADER OF NANO-FIT, S/R, VERTICAL, KINK POWER CONNECTOR							
mm	NTS										
GENERAL TOLERANCES (UNLESS SPECIFIED)											
ANGULAR TOL	± 3.0 °			PRODUCT CUSTOMER DRAWING							
4 PLACES	±	EC NO: 826596		DOCUMENT NUMBER							
3 PLACES	± 0.1	DRWN: LEOW									
2 PLACES	± 0.2	CHK'D: XQZHANG									
1 PLACE	± 0.3	APPR: XQZHANG		INITIAL REVISION:		DOC TYPE					
0 PLACES	±	DRWN: GLLI		2014/07/14		DOC PART					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES					
				A3-SIZE		105309					
				MATERIAL NUMBER		CUSTOMER					
				SEE TABLE		GENERAL MARKET					
						SHEET NUMBER					
						3 OF 5					

2025/06/19

2025/06/26

2025/06/26

2014/07/14

2015/04/08

SD-105309-100

PSD

000

H1

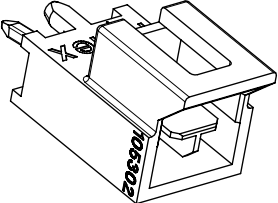
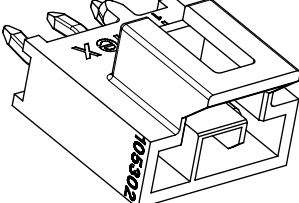
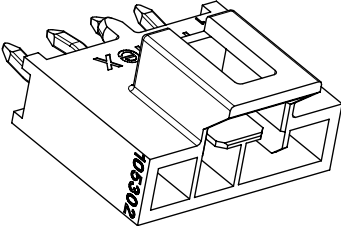
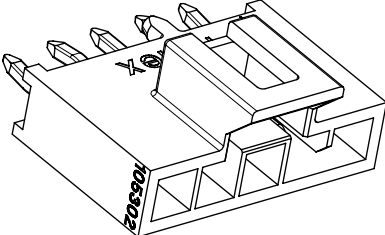
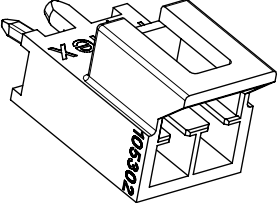
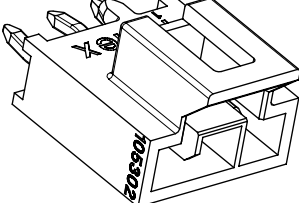
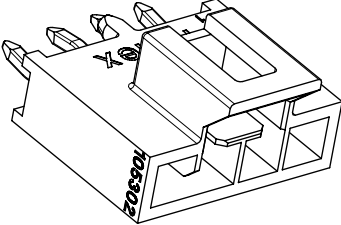
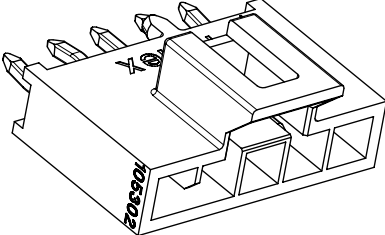
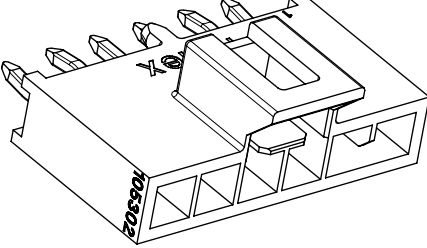
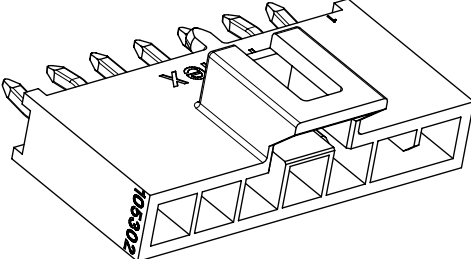
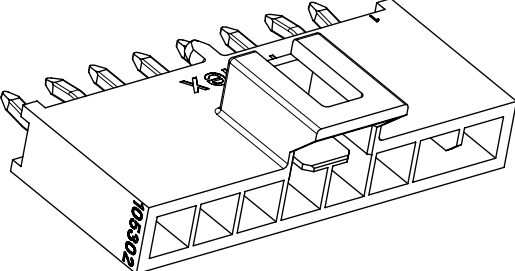
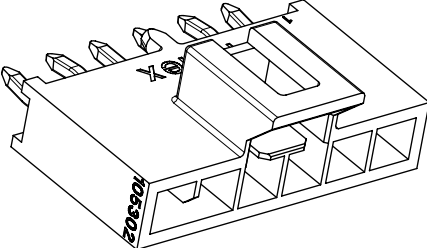
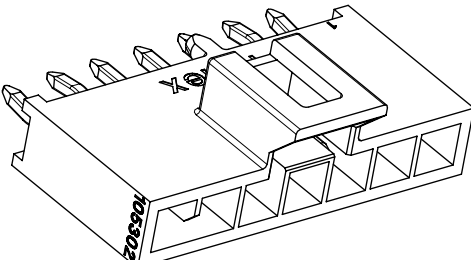
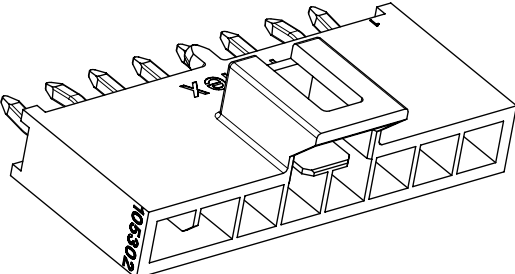
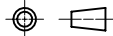
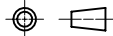
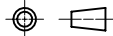
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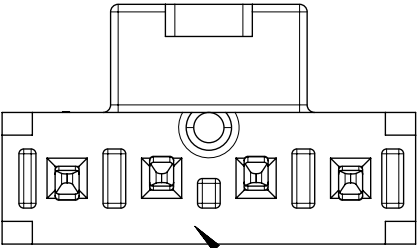
09:45:40

105309-100

GENERAL MARKET

3 OF 5

	10	9	8	7	6	5	4	3	2	1																																																																																																																																			
F	BLACK	2 CKT		3 CKT		4 CKT		5 CKT			F																																																																																																																																		
																																																																																																																																													
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E	NOTES FOR ALL PARTS 1> MATERIAL: HOUSING: LCP 30% GF, UL 94V-0; TERMINAL: BRASS. 2> PLATING FINISHED: TERMINAL: CONTACT AREA: a. REFLOWED MATTE TIN 1.5MICRONS MIN; b. GOLD 0.38 MICRONS MIN; c. GOLD 0.76 MICRONS MIN. SOLDER AREA: TIN 1.5 MICRONS MIN, UNDER PLATING NICKEL 1.25 MICRONS MIN. SOLDER CLIP: TIN 2.5 MICRONS MIN, UNDER PLATING NICKEL 1.25 MICRONS MIN. 3> PRODUCT SPECIFICATION: PS-105300-100. 4> PACKAGE: TRAY, PK-105309-300. 5> PRODUCT MATE WITH SERIES OF 105307 AND 226354(RECEPTACLE). 6> PARTS CONFORM TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002. 7> DISCOLORATION IN THE BANDOLIER PIN CARRIER AREA OF THE PIN IS INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING DEFECT OF THE CARRIER, THIS DISCOLORATION IS IN A NON-FUNCTION AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE HEADER ASSEMBLY.									E																																																																																																																								
D										D																																																																																																																								
C	 IF ANY NUMBER MARK APPEARS ON THIS SURFACE, PLEASE DISREGARD IT, IT IS NO ANY FUCTION AND NO ANY RELATION TO PIN NUMBER, IT IS JUST FOR MOLDING IDENDIFICATION.									C																																																																																																																								
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