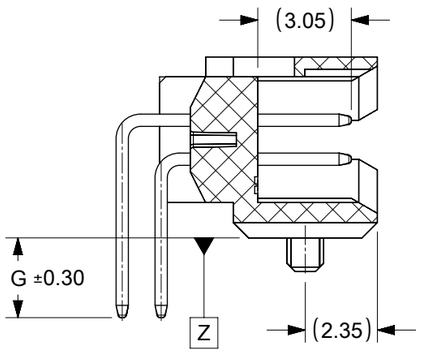
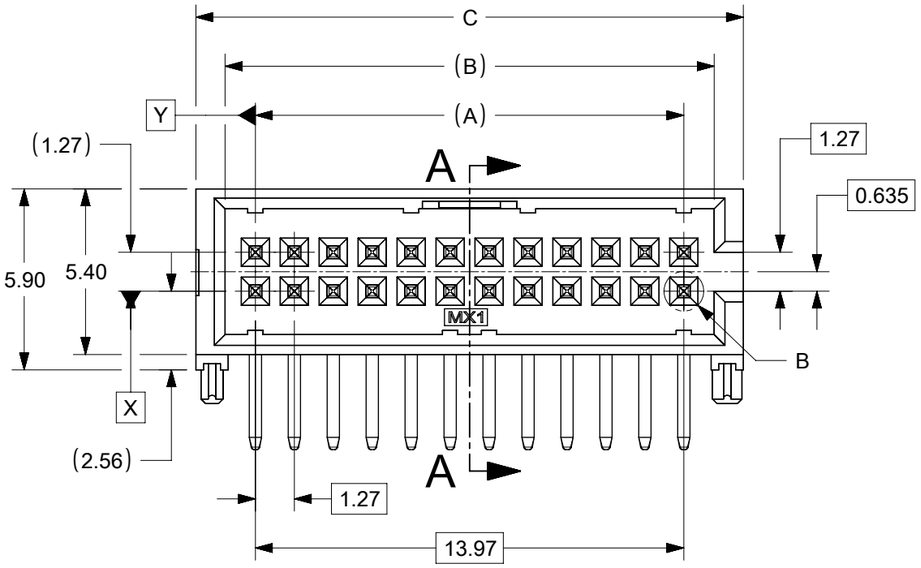
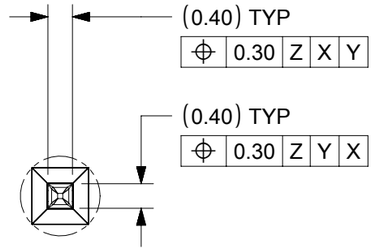
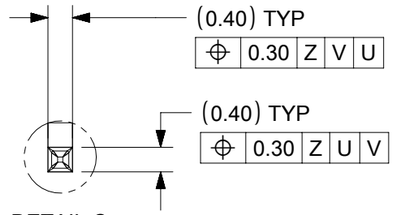


SECTION A-A





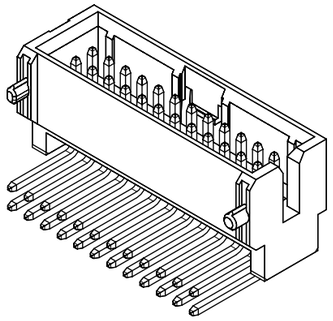
DETAIL B
SCALE 10:1

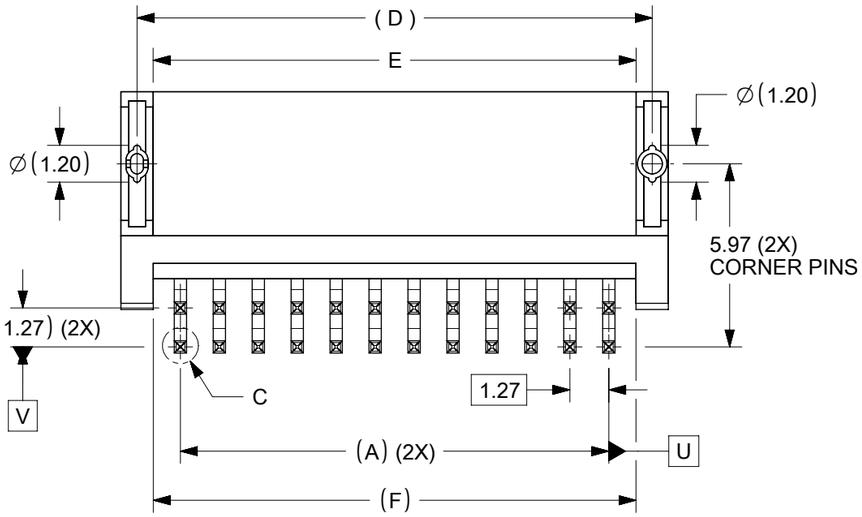


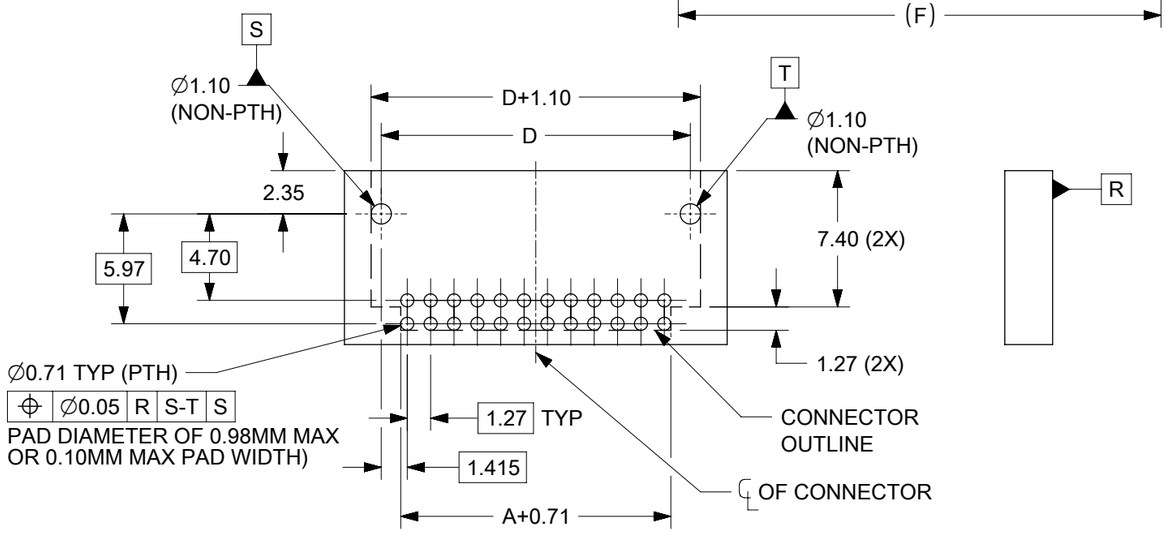
DETAIL C
SCALE 10:1

CKT SIZE	DIMENSION					
	A	B	C	D	E	F
4	1.27	3.25	5.15	4.10	3.05	3.04
6	2.54	4.52	6.42	5.37	4.32	4.31
8	3.81	5.79	7.69	6.64	5.59	5.58
10	5.08	7.06	8.96	7.91	6.86	6.85
12	6.35	8.33	10.23	9.18	8.13	8.12
14	7.62	9.60	11.50	10.45	9.40	9.39
16	8.89	10.87	12.77	11.72	10.67	10.66
18	10.16	12.14	14.04	12.99	11.94	11.93
20	11.43	13.41	15.31	14.26	13.21	13.20
22	12.70	14.68	16.58	15.53	14.48	14.47
24	13.97	15.95	17.85	16.80	15.75	15.74

TAIL LENGTH DIMENSION G	RECOMMENDED BOARD THICKNESS (TOLERANCE) ± 0.10)
1.60	1.60
2.40	2.40
3.00	3.00







RECOMMENDED PCB LAYOUT
TOLERANCE ±0.05

NOTES:
1. FOR ILLUSTRATION PURPOSES, 24 CIRCUIT SIZE WAFER IS SHOWN.
2. MATERIAL :
   HOUSING : LCP, GLASS-FILLED, UL94V-0, BLACK
   BANDOLIER PIN : 0.40MM SQ. COPPER ALLOY
3. FINISHES: SEE SHEET 2
4. PRODUCT SPECIFICATION: 2009890001 (PS)
5. PACKAGING SPECIFICATION: 2010210001 (PK)
6. REFER TO SHEET 2 FOR PART OPTIONS AND PART NUMBER.
7. MATES WITH: 78120 SERIES
8. POSITIONING TO BE CONTROLLED BASED ON PIN TIP
9. PARTS CONFORMS TO CLASS "B" REQUIREMENT OF COSMETIC SPECIFICATION PS-45499-002
10. MOLEX LOGO AND CAVITY LOCATED AS SHOWN.
11. NON-FUNCTIONAL CORING IS SUBJECTED TO CHANGES WITHOUT NOTICE.

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DIMENSION UNITS	mm
SCALE	NTS
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL ±	3.0 °
4 PLACES ±	
3 PLACES ±	
2 PLACES ±	0.2
1 PLACE ±	
0 PLACES ±	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: REMASTERED & BTB DISTANCE UPDATE

EC NO: 664214
DRWN: KSUTAR 2021/05/10
CHK'D: ABABUPS 2021/05/18
APPR: MRAMAKRISHNA 2021/05/18

INITIAL REVISION:
DRWN: SCHEONG 2016/02/22
APPR: KHLIM 2016/11/24

molex

1.27MM PITCH SLIM-GRID
RIGHT-ANGLE THROUGH HOLE SHROUDED HEADER

PRODUCT CUSTOMER DRAWING

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	201021	SEE TABLE	GENERAL MARKET	1 OF 4

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2010210024	PSD	000	A3

DOCUMENT STATUS	P1	RELEASE DATE	2021/05/18 14:42:59

FORMAT: master_sheet-A3
REVISION: J
DATE: 2020/01/14

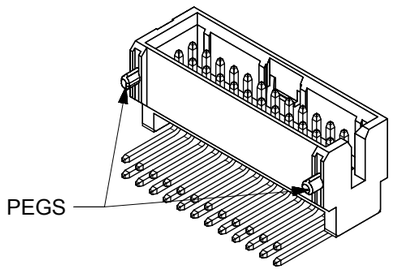
LEGEND

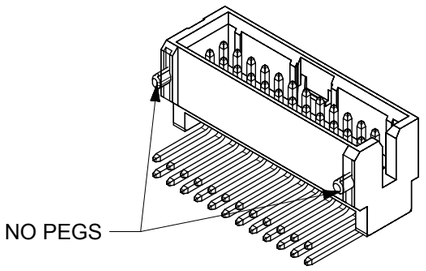
201021 - X X X X

CKT SIZE & PEG OPTION
(NO PEG) 04 = 4 CKTS ... 24 = 24 CKTS
(WITH PEG) 54 = 4 CKTS ... 74 = 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 & KAPTON TAPE OPTION
TUBE & WITHOUT KAPTON TAPE 0 = 1.60 P.TAIL LENGTH 1 = 2.40 P.TAIL LENGTH 2 = 3.00 P.TAIL LENGTH
TUBE & WITH KAPTON TAPE 3 = 1.60 P.TAIL LENGTH 4 = 2.40 P.TAIL LENGTH 5 = 3.00 P.TAIL LENGTH
TAPE & REEL WITH KAPTON TAPE (NOT TOOLED) 6 = 1.60 P.TAIL LENGTH 7 = 2.40 P.TAIL LENGTH 8 = 3.00 P.TAIL LENGTH





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DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 3.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.2
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMASTERED & BTB DISTANCE UPDATE

EC NO: 664214

DRWN:	KSUTAR	2021/05/10
CHK'D:	ABABUPS	2021/05/18
APPR:	MRAMAKRISHNA	2021/05/18

INITIAL REVISION:

DRWN:	SCHEONG	2016/02/22
APPR:	KHLIM	2016/11/24

molex

1.27MM PITCH SLIM-GRID
RIGHT-ANGLE THROUGH HOLE SHROUDED HEADER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2010210024	PSD	000	A3

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	201021	SEE TABLE	GENERAL MARKET	2 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2021/05/18 14:42:59

FORMAT: master_sheet-A3
REVISION: J
DATE: 2020/01/14

CKT SIZE	PIN TAIL LENGTH, G = 1.60				PIN TAIL LENGTH, G = 2.40				PIN TAIL LENGTH, G = 3.00			
	ASSEMBLY NO PEG & NO KAPTON TAPE P/N	ASSEMBLY NO PEG & WITH KAPTON TAPE P/N	ASSEMBLY WITH PEG & NO KAPTON TAPE P/N	ASSEMBLY WITH PEG & WITH KAPTON TAPE P/N	ASSEMBLY NO PEG & NO KAPTON TAPE P/N	ASSEMBLY NO PEG & WITH KAPTON TAPE P/N	ASSEMBLY WITH PEG & NO KAPTON TAPE P/N	ASSEMBLY WITH PEG & WITH KAPTON TAPE P/N	ASSEMBLY NO PEG & NO KAPTON TAPE P/N	ASSEMBLY NO PEG & WITH KAPTON TAPE P/N	ASSEMBLY WITH PEG & NO KAPTON TAPE P/N	ASSEMBLY WITH PEG & WITH KAPTON TAPE P/N
4	201021-0004	201021-3004	201021-0054	201021-3054	201021-1004	201021-4004	201021-1054	201021-4054	201021-2004	201021-5004	201021-2054	201021-5054
	201021-0104	201021-3104	201021-0154	201021-3154	201021-1104	201021-4104	201021-1154	201021-4154	201021-2104	201021-5104	201021-2154	201021-5154
	201021-0204	201021-3204	201021-0254	201021-3254	201021-1204	201021-4204	201021-1254	201021-4254	201021-2204	201021-5204	201021-2254	201021-5254
6	201021-0006	201021-3006	201021-0056	201021-3056	201021-1006	201021-4006	201021-1056	201021-4056	201021-2006	201021-5006	201021-2056	201021-5056
	201021-0106	201021-3106	201021-0156	201021-3156	201021-1106	201021-4106	201021-1156	201021-4156	201021-2106	201021-5106	201021-2156	201021-5156
	201021-0206	201021-3206	201021-0256	201021-3256	201021-1206	201021-4206	201021-1256	201021-4256	201021-2206	201021-5206	201021-2256	201021-5256
8	201021-0008	201021-3008	201021-0058	201021-3058	201021-1008	201021-4008	201021-1058	201021-4058	201021-2008	201021-5008	201021-2058	201021-5058
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	201021-0208	201021-3208	201021-0258	201021-3258	201021-1208	201021-4208	201021-1258	201021-4258	201021-2208	201021-5208	201021-2258	201021-5258
10	201021-0010	201021-3010	201021-0060	201021-3060	201021-1010	201021-4010	201021-1060	201021-4060	201021-2010	201021-5010	201021-2060	201021-5060
	201021-0110	201021-3110	201021-0160	201021-3160	201021-1110	201021-4110	201021-1160	201021-4160	201021-2110	201021-5110	201021-2160	201021-5160
	201021-0210	201021-3210	201021-0260	201021-3260	201021-1210	201021-4210	201021-1260	201021-4260	201021-2210	201021-5210	201021-2260	201021-5260
12	201021-0012	201021-3012	201021-0062	201021-3062	201021-1012	201021-4012	201021-1062	201021-4062	201021-2012	201021-5012	201021-2062	201021-5062
	201021-0112	201021-3112	201021-0162	201021-3162	201021-1112	201021-4112	201021-1162	201021-4162	201021-2112	201021-5112	201021-2162	201021-5162
	201021-0212	201021-3212	201021-0262	201021-3262	201021-1212	201021-4212	201021-1262	201021-4262	201021-2212	201021-5212	201021-2262	201021-5262
14	201021-0014	201021-3014	201021-0064	201021-3064	201021-1014	201021-4014	201021-1064	201021-4064	201021-2014	201021-5014	201021-2064	201021-5064
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16	201021-0016	201021-3016	201021-0066	201021-3066	201021-1016	201021-4016	201021-1066	201021-4066	201021-2016	201021-5016	201021-2066	201021-5066
	201021-0116	201021-3116	201021-0166	201021-3166	201021-1116	201021-4116	201021-1166	201021-4166	201021-2116	201021-5116	201021-2166	201021-5166
	201021-0216	201021-3216	201021-0266	201021-3266	201021-1216	201021-4216	201021-1266	201021-4266	201021-2216	201021-5216	201021-2266	201021-5266
18	201021-0018	201021-3018	201021-0068	201021-3068	201021-1018	201021-4018	201021-1068	201021-4068	201021-2018	201021-5018	201021-2068	201021-5068
	201021-0118	201021-3118	201021-0168	201021-3168	201021-1118	201021-4118	201021-1168	201021-4168	201021-2118	201021-5118	201021-2168	201021-5168
	201021-0218	201021-3218	201021-0268	201021-3268	201021-1218	201021-4218	201021-1268	201021-4268	201021-2218	201021-5218	201021-2268	201021-5268
20	201021-0020	201021-3020	201021-0070	201021-3070	201021-1020	201021-4020	201021-1070	201021-4070	201021-2020	201021-5020	201021-2070	201021-5070
	201021-0120	201021-3120	201021-0170	201021-3170	201021-1120	201021-4120	201021-1170	201021-4170	201021-2120	201021-5120	201021-2170	201021-5170
	201021-0220	201021-3220	201021-0270	201021-3270	201021-1220	201021-4220	201021-1270	201021-4270	201021-2220	201021-5220	201021-2270	201021-5270
22	201021-0022	201021-3022	201021-0072	201021-3072	201021-1022	201021-4022	201021-1072	201021-4072	201021-2022	201021-5022	201021-2072	201021-5072
	201021-0122	201021-3122	201021-0172	201021-3172	201021-1122	201021-4122	201021-1172	201021-4172	201021-2122	201021-5122	201021-2172	201021-5172
	201021-0222	201021-3222	201021-0272	201021-3272	201021-1222	201021-4222	201021-1272	201021-4272	201021-2222	201021-5222	201021-2272	201021-5272
24	201021-0024	201021-3024	201021-0074	201021-3074	201021-1024	201021-4024	201021-1074	201021-4074	201021-2024	201021-5024	201021-2074	201021-5074
	201021-0124	201021-3124	201021-0174	201021-3174	201021-1124	201021-4124	201021-1174	201021-4174	201021-2124	201021-5124	201021-2174	201021-5174
	201021-0224	201021-3224	201021-0274	201021-3274	201021-1224	201021-4224	201021-1274	201021-4274	201021-2224	201021-5224	201021-2274	201021-5274

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DIMENSION UNITS	mm
SCALE	NTS
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL ±	3.0 °
4 PLACES ±	
3 PLACES ±	
2 PLACES ±	0.2
1 PLACE ±	
0 PLACES ±	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: REMASTERED & BTB DISTANCE UPDATE

EC NO: 664214
DRWN: KSUTAR 2021/05/10
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INITIAL REVISION:
DRWN: SCHEONG 2016/02/22
APPR: KHLIM 2016/11/24

molex

1.27MM PITCH SLIM-GRID
RIGHT-ANGLE THROUGH HOLE SHROUDED HEADER

PRODUCT CUSTOMER DRAWING

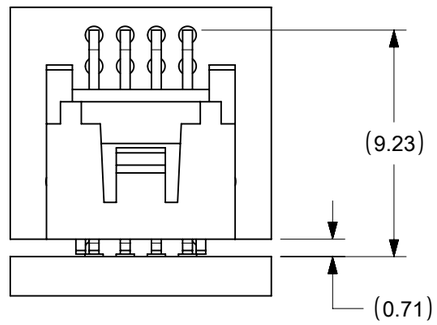
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2010210024	PSD	000	A3

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	201021	SEE TABLE	GENERAL MARKET	3 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2021/05/18 14:42:59

FORMAT: master_dwg_A3
REVISION: J1
DATE: 2020/01/16

BOARD TO BOARD (BTB) DISTANCE

HEADER	MATES WITH (RECEPTACLE)	BTB DIST.	PICTORIAL VIEW
201021	78120	9.23	

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DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 3.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.2
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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1.27MM PITCH SLIM-GRID
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THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	201021	SEE TABLE	GENERAL MARKET	4 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2021/05/18 14:42:59

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REVISION: J
DATE: 2020/01/1