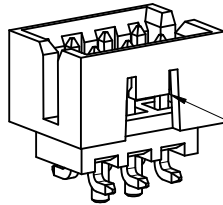
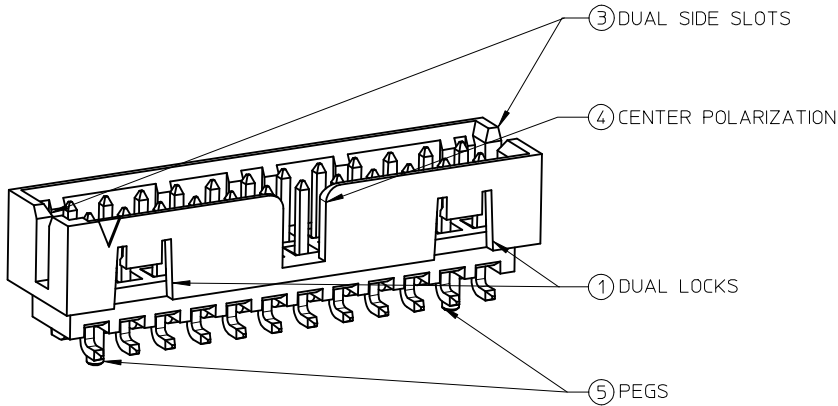


FEATURES SELECTION GUIDE



② CENTER LOCK



③ DUAL SIDE SLOTS

④ CENTER POLARIZATION

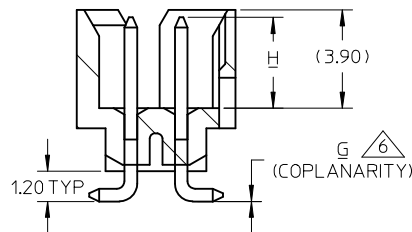
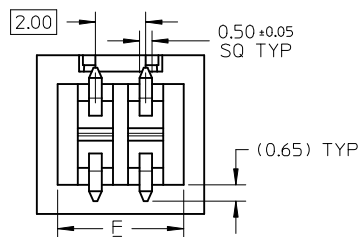
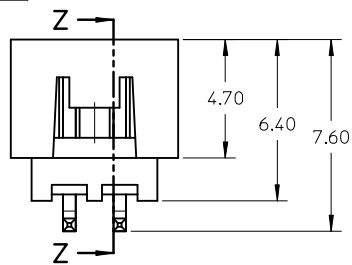
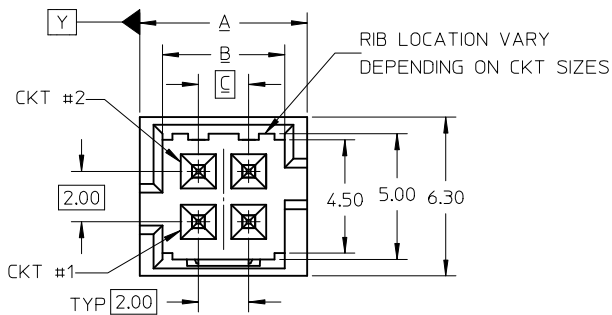
① DUAL LOCKS

⑤ PEGS

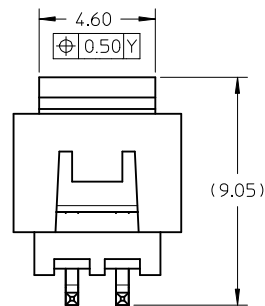
CIRCUIT SIZE	FEATURES					SHEET NO
	FRICTION LOCKS		③ DUAL SIDE SLOTS	④ CENTER POLARIZATION	⑤ PEGS	
	① DUAL	② CENTER				
4	N.A	N.A	YES	N.A	N.A	2 - 3
	N.A	YES	YES	N.A	N.A	
6	N.A	N.A	YES	N.A	N.A	4 - 5
	N.A	N.A	YES	N.A	YES	
	N.A	N.A	YES	YES	N.A	
	N.A	YES	YES	N.A	N.A	
	N.A	YES	YES	N.A	YES	
8 TO 12	N.A	N.A	YES	YES	YES	6 - 7
	N.A	N.A	YES	YES	N.A	
	N.A	YES	YES	N.A	N.A	
	N.A	YES	YES	N.A	YES	
14 TO 50	YES	N.A	YES	YES	N.A	8 - 11
	YES	N.A	YES	YES	YES	

RELEASED EC NO: S2015-1435 DRAWN:GMENARLY 2015/05/22 CHKD:CGOH 2015/09/21 APPR:KHLIM 2015/09/22	DESCRIPTION REV	QUALITY SYMBOLS F_A=0 F_C=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY GMENARLY	DATE 2015/05/22	TITLE MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex			
			4 PLACES	± ---	± ---	CHECKED BY CGOH	DATE 2015/09/21				
			3 PLACES	± ---	± ---	APPROVED BY KHLIM				DATE 2015/09/22	
			2 PLACES	± 0.20	± ---						
			1 PLACE	± ---	± ---						
			0 PLACE	± ---	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87832-0001		SHEET NO. 1 OF 12	
			ANGULAR ± 3 °		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								

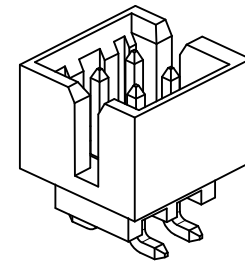
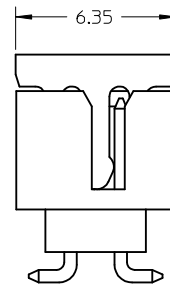
4 CIRCUITS



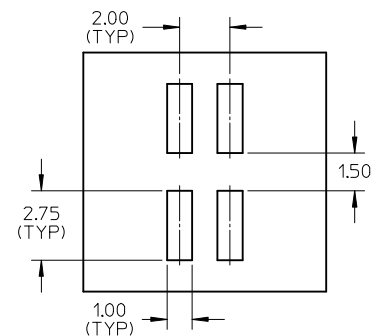
SECTION Z-Z



VIEW FOR HEADER WITH CAP



ISO VIEW OF HEADER WITH ONLY DUAL SLOTS



RECOMMENDED PCB LAYOUT

NOTES:

1. MATERIALS:
HOUSING & CAP: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION:
TUBE: PK-87831-001, TAPE AND REEL: PK-87831-300
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND CRIMP TERMINAL: 50394 SERIES
B. MOLEX 2MM MILLIGRID DUAL ROW IDT: 87568 SERIES
C. MOLEX 2MM MILLIGRID DUAL ROW RECEPTACLE: 79107 (GOLD PLATED), 78787 (TIN PLATED)

6. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE

7. BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY
8. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE

RELEASED
EC NO: S2015-1435
DRWN:GMENARLY
CHKD:CGOH
APPR:KHLIM
2015/05/22
2015/09/21
2015/09/22

QUALITY
SYMBOLS
F_A=0
F_G=0
F_P=0
DESCRIPTION
REV

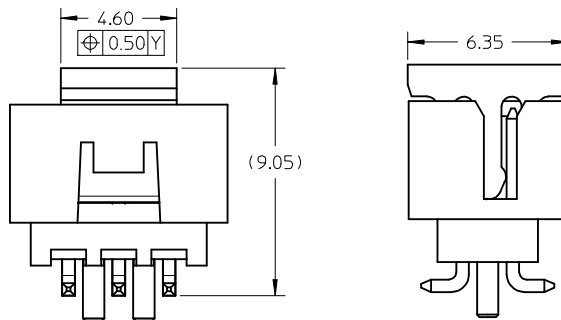
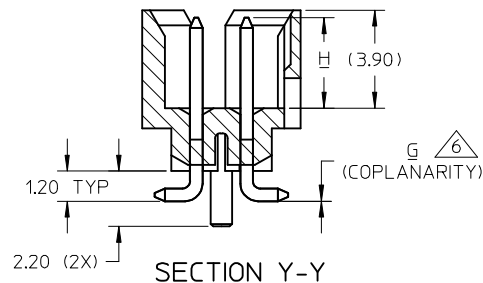
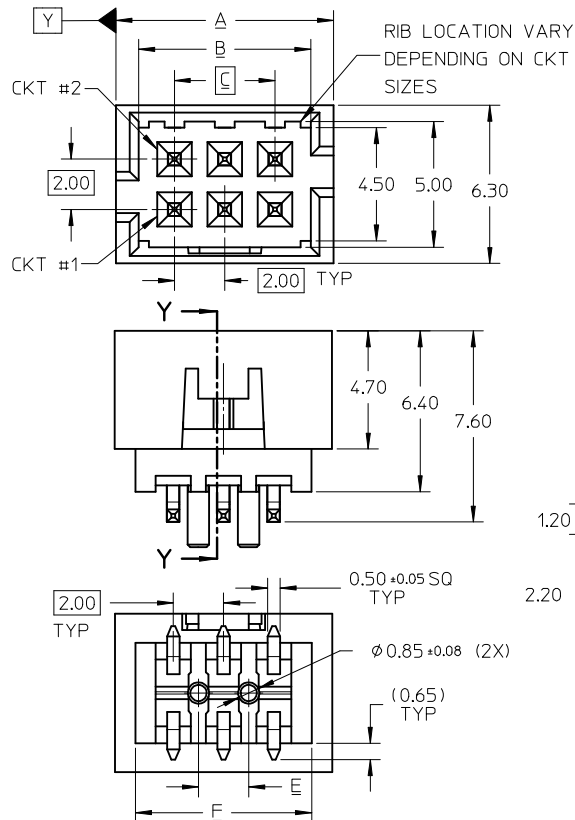
GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---
0 PLACE	± ---	± ---
ANGULAR ± 3 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
GMENARLY	2015/05/22
CHECKED BY	DATE
CGOH	2015/09/21
APPROVED BY	DATE
KHLIM	2015/09/22
MATERIAL NO.	
SEE TABLE	
SIZE	A3

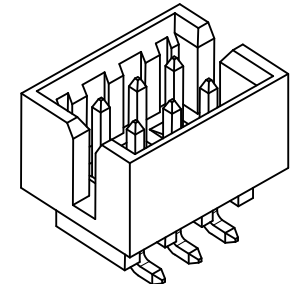
SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
TITLE		
MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER		
molex		
DOCUMENT NO.		SHEET NO.
SD-87832-0001		2 OF 12
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

tb_frame_A3_P_AM_T
Rev. G 2012/01/11

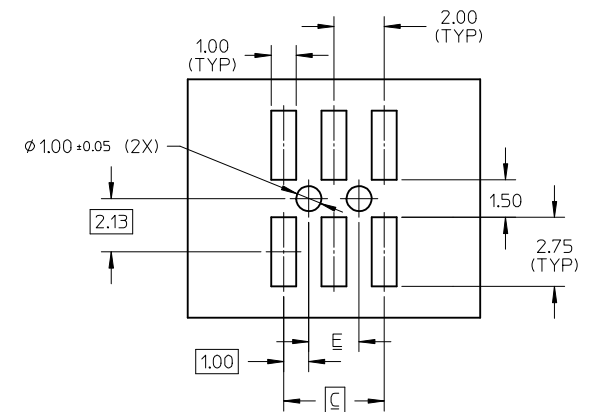
6 CIRCUITS



VIEW FOR HEADER WITH CAP



VIEW FOR HEADER WITH ONLY DUAL SLOTS



RECOMMENDED PCB LAYOUT

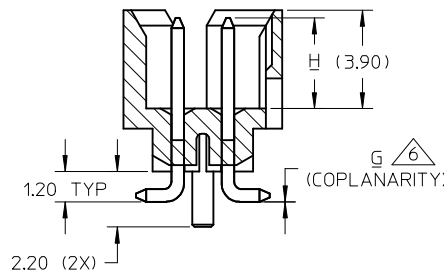
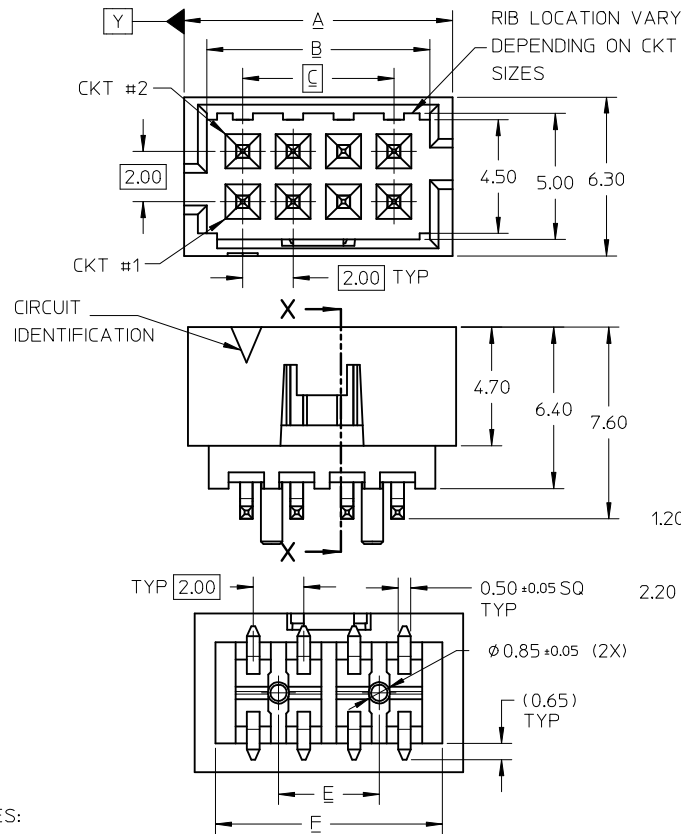
NOTES:

1. MATERIALS:
HOUSING & CAP: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION:
TUBE: PK-87831-001, TAPE AND REEL: PK-87831-300
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND CRIMP TERMINAL: 50394 SERIES
B. MOLEX 2MM MILLIGRID DUAL ROW IDT: 87568 SERIES
C. MOLEX 2MM MILLIGRID DUAL ROW RECEPTACLE: 79107 (GOLD PLATED), 78787 (TIN PLATED)
6. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE
7. BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY
8. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE

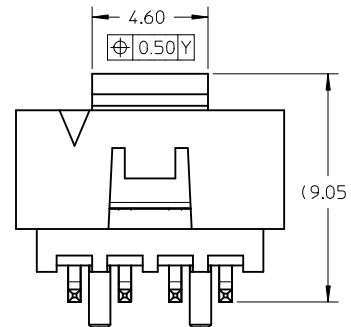
RELEASED EC NO: S2015-1435 DRW:GMENARLY CHKD:CGOH APPR:KHLIM	2015/05/22 2015/09/21 2015/09/22	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
							MM ONLY		NTS	METRIC			
							DRAWN BY DATE		TITLE MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex				
							GMENARLY 2015/05/22						
							CHECKED BY DATE						
							CGOH 2015/09/21		SD-87832-0001				
							APPROVED BY DATE						
							KHLIM 2015/09/22						
							MATERIAL NO.		DOCUMENT NO.				
							SEE TABLE		SHEET NO.				
					4 OF 12								

	10	9	8	7	6	5	4	3	2	1													
	6 CIRCUITS																						
F	CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	DIMENSION						F					
							DUAL	CENTER				A	B	C	D	E	F		G (COPLAN)	H			
E	6	87832-0660	87832-0662	87832-5262	1	1	N.A	N.A	YES	N.A	YES	8.65	6.85	4.00	N.A	2.00	7.00	0.10	3.60±0.20	E			
		87832-0620	87832-0622	87832-5222	1	2																	
		87832-0621	87832-0623	87832-5223	1	3																	
		87832-0670	87832-0672	87832-5272	1	4	N.A	N.A	YES	N.A	N.A							0.10	3.60±0.20				
		87832-0612	87832-0616	87832-0614	4	2																	
		87832-0613	87832-0617	87832-0615	4	3	N.A	N.A	YES	YES	N.A							0.10	3.60±0.15				
		87832-0624	87832-0626	87832-0628	4	2	N.A	YES	YES	N.A	N.A												
		87832-0625	87832-0627	87832-0629	4	3	N.A	YES	YES	N.A	YES										0.10	3.60±0.20	
		87832-0610	87832-0608	87832-0606	4	2																	
87832-0611	87832-0609	87832-0607	4	3	N.A	YES	YES	N.A	YES	0.10	3.60±0.20												
87832-0604	N.A	N.A	N.A	2																			
D																				D			
C																				C			
B																				B			
A	PLATING OPTIONS:					RELEASED EC NO: S2015-1435 DRWN:GMENARLY CHKD:CGOH APPR:KHLIM	REV A	DESCRIPTION 2015/05/22 2015/09/21 2015/09/22	QUALITY SYMBOLS F _A =0 F _G =0 F _P =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		A					
	1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 2 - 0.38um/15uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 3 - 0.76um/30uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 4 - 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL.									4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± ---		DRAWN BY GMENARLY CHECKED BY CGOH APPROVED BY KHLIM		DATE 2015/05/22 DATE 2015/09/21 DATE 2015/09/22	TITLE MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex								
										ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.							
										DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87832-0001		5 OF 12							
																				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
tb_frame_A3_P_AM_T Rev. G 2012/01/11	9	8	7	6	5	4	3	2	1														

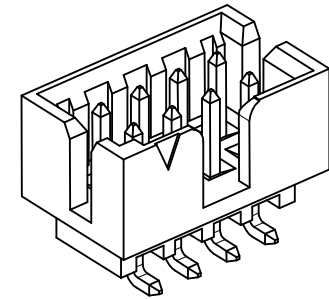
8 TO 12 CIRCUITS



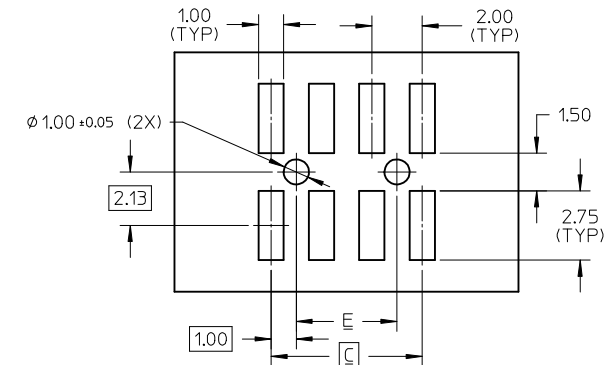
SECTION X-X



VIEW FOR HEADER WITH CAP



ISO VIEW OF HEADER WITH CENTER POLARIZATION AND DUAL SIDE SLOTS



RECOMMENDED PCB LAYOUT

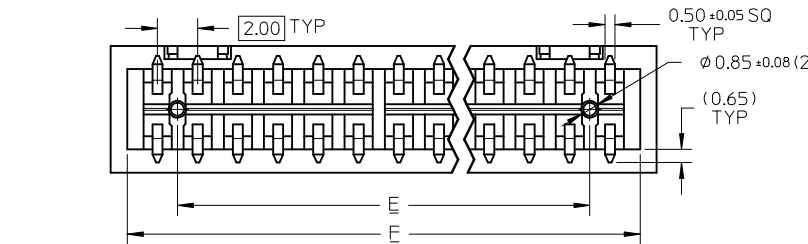
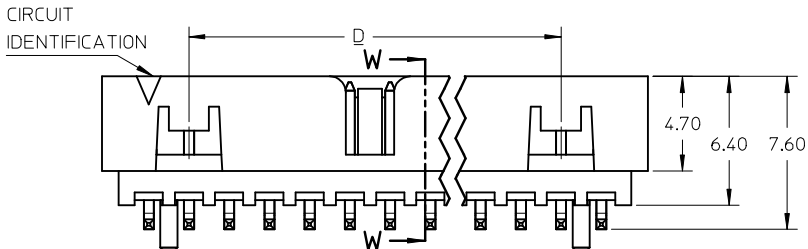
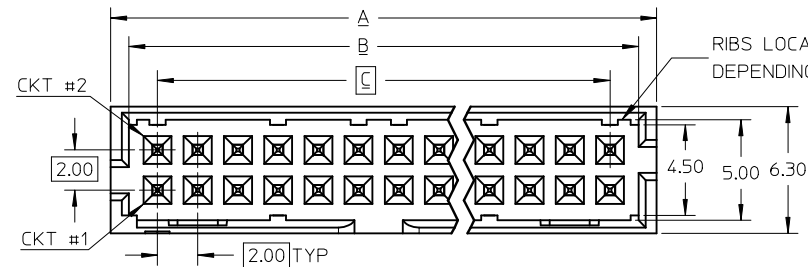
NOTES:

1. MATERIALS:
HOUSING & CAP: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION:
TUBE: PK-87831-001, TAPE AND REEL: PK-87831-300
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND CRIMP TERMINAL: 50394 SERIES
B. MOLEX 2MM MILLIGRID DUAL ROW IDT: 87568 SERIES
C. MOLEX 2MM MILLIGRID DUAL ROW RECEPTACLE: 79107 (GOLD PLATED), 78787 (TIN PLATED)
6. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE
7. BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY
8. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE

RELEASED EC NO: S2015-1435 DRWN:GMENARLY CHKD:CGOH APPR:KHLIM	DESCRIPTION 2015/05/22 2015/09/21 2015/09/22	QUALITY SYMBOLS F_A=0 F_C=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY GMENARLY	DATE 2015/05/22	TITLE MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER				
			4 PLACES	± ---	± ---	CHECKED BY CGOH	DATE 2015/09/21					
			3 PLACES	± ---	± ---	APPROVED BY KHLIM	DATE 2015/09/22					
			2 PLACES	± 0.20	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87832-0001		SHEET NO. 6 OF 12		
			1 PLACE	± ---	± ---							
0 PLACE	± ---	± ---	ANGULAR ± 3 °									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

tb_frame_A3_P_AM_T
Rev. G 2012/01/11

14 TO 50 CIRCUITS



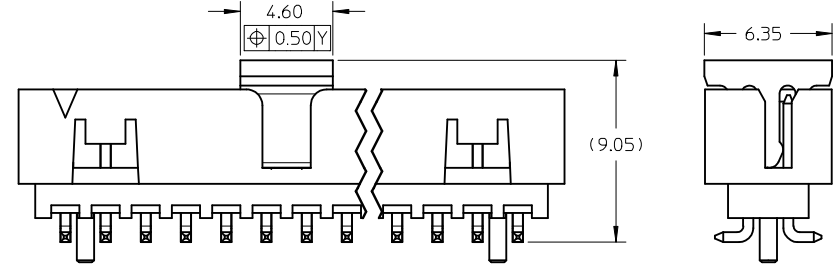
NOTES:

- MATERIALS:
HOUSING & CAP: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
- FINISHES: REFER TO PLATING OPTIONS
- PRODUCT SPECIFICATION: PS-87831-027
- PACKAGING SPECIFICATION:
TUBE: PK-87831-001, TAPE AND REEL: PK-87831-300
- MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND CRIMP TERMINAL: 50394 SERIES
B. MOLEX 2MM MILLIGRID DUAL ROW IDT: 87568 SERIES
C. MOLEX 2MM MILLIGRID DUAL ROW RECEPTACLE: 79107 (GOLD PLATED), 78787 (TIN PLATED)

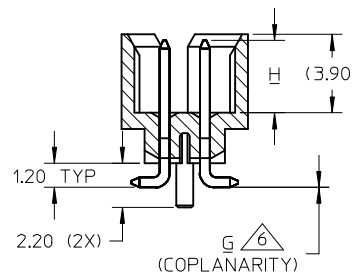
6. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE

- BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY
- TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE

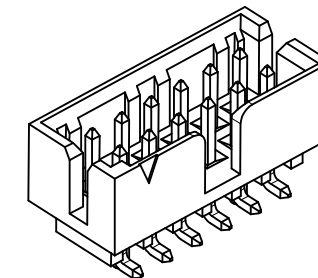
RIBS LOCATIONS VARY
DEPENDING ON CKT SIZES



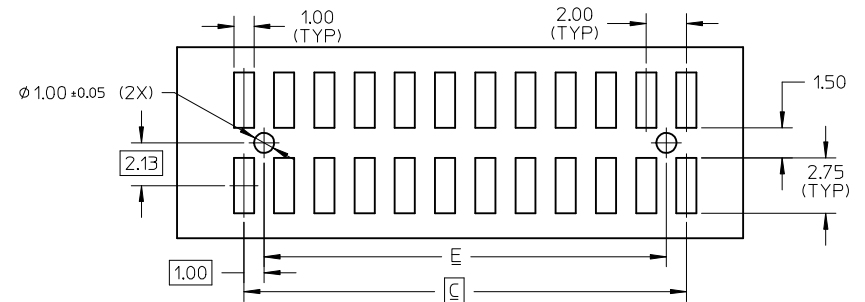
VIEW FOR HEADER WITH CAP



SECTION W-W



ISO VIEW OF HEADER WITH CENTER
POLARIZATION AND DUAL SIDE SLOTS



RECOMMENDED PCB LAYOUT

RELEASED	EC NO: S2015-1435	2015/05/22	2015/09/21	2015/09/22	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	DRWN:GMENARLY	CHKD:CGOH	APPR:KHLIM	(UNLESS SPECIFIED)			MM ONLY		NTS	METRIC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	A	REV	1	2			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103</

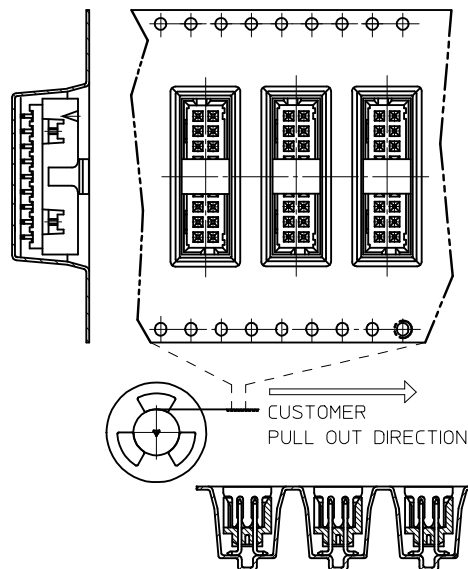
		10	9	8	7	6	5	4	3	2	1										
		14 TO 24 CIRCUITS																			
F	CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	DIMENSION						F			
							DUAL	CENTER				A	B	C	D	E	F		G (COPLAN)	H	
	14	87832-1460	87832-1462	87832-5662	1	1	YES	N.A	YES	YES	YES	16.65	14.85	12.00	8.00	10.00	15.00	0.15	3.60±0.20		
		87832-1420	87832-1422	87832-5622	1	2															
		87832-1421	87832-1423	87832-5623	1	3															
				87832-9523	2																
		87832-1470	87832-1472	87832-5672	1	4												YES	N.A		YES
87832-1412	87832-1416	87832-1414	1	2																	
E	16	87832-1660	87832-1662	87832-5762	1	1	YES	N.A	YES	YES	YES	18.65	16.85	14.00	10.00	12.00	17.00	0.15	3.60±0.20		
		87832-1620	87832-1622	87832-5722	1	2															
		87832-1621	87832-1623	87832-5723	1	3															
		87832-1670	87832-1672	87832-5772	1	4															
		87832-1612	87832-1616	87832-1614	1	2												YES	N.A		YES
D	18	87832-1860	87832-1862	87832-5862	1	1	YES	N.A	YES	YES	YES	20.65	18.85	16.00	12.00	14.00	19.00	0.15	3.60±0.20		
		87832-1820	87832-1822	87832-5822	1	2															
		87832-1821	87832-1823	87832-5823	1	3															
		87832-1870	87832-1872	87832-5872	1	4															
		87832-1812	87832-1816	87832-1814	3	2												YES	N.A		YES
87832-1813	87832-1817	87832-1815	3	3	YES	N.A	YES	YES	N.A	0.15	3.60±0.20										
	20	87832-2060	87832-2062	87832-5962	1	1	YES	N.A	YES	YES	YES	22.65	20.85	18.00	14.00	16.00	21.00	0.15	3.60±0.20		
		87832-2020	87832-2022	87832-5922	1	2															
		87832-2021	87832-2023	87832-5923	1	3															
		87832-2070	87832-2072	87832-5972	1	4															
		87832-2012	87832-2016	87832-2014	1	2												YES	N.A		YES
C	22	87832-2260	87832-2262	87832-6062	1	1	YES	N.A	YES	YES	YES	24.65	22.85	20.00	16.00	18.00	23.00	0.15	3.60±0.20		
		87832-2220	87832-2222	87832-6022	1	2															
		87832-2221	87832-2223	87832-6023	1	3															
		87832-2270	87832-2272	87832-6072	1	4															
	24	87832-2460	87832-2462	87832-6162	1	1	YES	N.A	YES	YES	YES	26.65	24.85	22.00	18.00	20.00	25.00	0.15	3.60±0.20		
		87832-2420	87832-2422	87832-6122	1	2															
		87832-2421	87832-2423	87832-6123	1	3															
		87832-2470	87832-2472	87832-6172	1	4															
		87832-2412	87832-2416	87832-2414	1	2												YES	N.A		YES
B																					B
A	PLATING OPTIONS: 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 2 - 0.38um/15uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 3 - 0.76um/30uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 4 - 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL.																				A
	RELEASED EC NO: S2015-1435 DRWN:GMEARLY 2015/05/22 CHKD:CGOH 2015/09/21 APPR:KHL IM 2015/09/22		REV	QUALITY SYMBOLS F=0 F=0 F=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- ANGULAR ± 3 °	DIMENSION STYLE MM ONLY DRAWN BY DATE GMEARLY 2015/05/22 CHECKED BY DATE CGOH 2015/09/21 APPROVED BY DATE KHL IM 2015/09/22	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex	DOCUMENT NO. SD-87832-0001	SHEET NO. 9 OF 12									
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
fb_frame_A3_P_AM_T Rev. G 2012/01/11		9	8	7	6	5	4	3	2	1											

		10	9	8	7	6	5	4	3	2	1								
		26 TO 38 CIRCUITS																	
F	CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	DIMENSION						F	
							DUAL	CENTER				A	B	C	D	E	F		G (COPLAN)
	26	87832-2660	87832-2662	87832-6262	1	1	YES	N.A	YES	YES	YES	28.65	26.85	24.00	20.00	22.00	27.00	0.15	3.60±0.20
		87832-2620	87832-2622	87832-6222	1	2													
		87832-2621	87832-2623	87832-6223	1	3													
		87832-2670	87832-2672	87832-6272	1	4													
		87832-2612	87832-2616	N.A	N.A	2												YES	N.A
E	28	87832-2860	87832-2862	87832-6362	1	1	YES	N.A	YES	YES	YES	30.65	28.85	26.00	22.00	24.00	29.00	0.15	3.60±0.20
		87832-2820	87832-2822	87832-6322	1	2													
		87832-2821	87832-2823	87832-6323	1	3													
		87832-2870	87832-2872	87832-6372	1	4													
	30	87832-3060	87832-3062	87832-6462	1	1	YES	N.A	YES	YES	YES	32.65	30.85	28.00	24.00	26.00	31.00	0.15	3.60±0.20
		87832-3020	87832-3022	87832-6422	1	2													
		87832-3021	87832-3023	87832-6423	1	3													
		87832-3070	87832-3072	87832-6472	1	4													
		87832-3012	87832-3016	87832-3014	3	2												YES	N.A
D	32	87832-3260	87832-3262	87832-6562	1	1	YES	N.A	YES	YES	YES	34.65	32.85	30.00	26.00	28.00	33.00	0.15	3.60±0.20
		87832-3220	87832-3222	87832-6522	1	2													
		87832-3221	87832-3223	87832-6523	1	3													
		87832-3270	87832-3272	87832-6572	1	4													
	34	87832-3460	87832-3462	87832-6662	1	1	YES	N.A	YES	YES	YES	36.65	34.85	32.00	28.00	30.00	35.00	0.15	3.60±0.20
		87832-3420	87832-3422	87832-6622	1	2													
		87832-3421	87832-3423	87832-6623	1	3													
		87832-3470	87832-3472	87832-6672	1	4													
		87832-3412	87832-3416	87832-3414	3	2												YES	N.A
C	36	87832-3660	87832-3662	N.A	N.A	1	YES	N.A	YES	YES	YES	38.65	36.85	34.00	30.00	32.00	37.00	0.15	3.60±0.20
		87832-3620	87832-3622	N.A	N.A	2													
		87832-3621	87832-3623	N.A	N.A	3													
		87832-3670	87832-3672	N.A	N.A	4													
	38	87832-3860	87832-3862	N.A	N.A	1	YES	N.A	YES	YES	YES	40.65	38.85	36.00	32.00	34.00	39.00	0.15	3.60±0.20
		87832-3820	87832-3822	N.A	N.A	2													
		87832-3821	87832-3823	N.A	N.A	3													
		87832-3870	87832-3872	N.A	N.A	4													
PLATING OPTIONS: 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 2 - 0.38um/15uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 3 - 0.76um/30uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 4 - 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL.																			
RELEASED EC NO: S2015-1435 DRWNG:GMEARLY CHKD:CGOH APPR:KHL IM 2015/05/22 2015/09/21 2015/09/22 QUALITY SYMBOLS F = 0 F = 0 F = 0 DESCRIPTION GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE MM ONLY DRAWN BY DATE GMENARLY 2015/05/22 CHECKED BY DATE CGOH 2015/09/21 APPROVED BY DATE KHL IM 2015/09/22 MATERIAL NO. SEE TABLE SCALE NTS DESIGN UNITS METRIC THIRD ANGLE PROJECTION MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex DOCUMENT NO. SD-87832-0001 SHEET NO. 10 OF 12 SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
fb_frame_A3_P_AM_T Rev. G 2012/01/11		9	8	7	6	5	4	3	2	1									

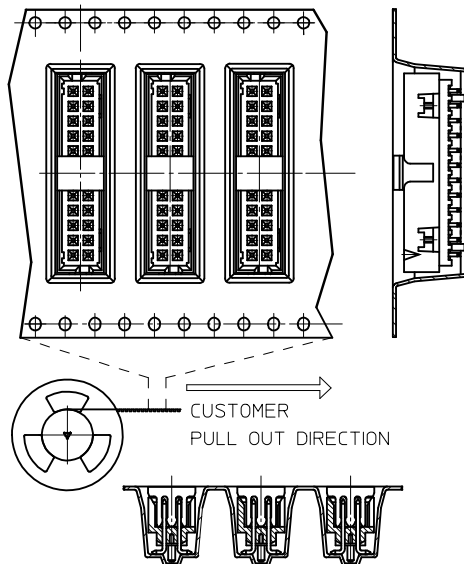
		10	9	8	7	6	5	4	3	2	1										
		40 TO 50 CIRCUITS																			
F	CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	DIMENSION						F			
							DUAL	CENTER				A	B	C	D	E	F		G (COPLAN)	H	
	40	87832-4060	87832-4062	87832-6962	1	1	YES	N.A	YES	YES	YES	42.65	40.85	38.00	34.00	36.00	41.00	0.15	3.60±0.20		
		87832-4020	87832-4022	87832-6922	1	2															
		87832-4021	87832-4023	87832-6923	1	3															
		87832-4070	87832-4072	87832-6972	1	4	YES	N.A	YES	YES	N.A							0.15	3.60±0.20		
		87832-4012	87832-4016	N.A	N.A	2															
E	42	87832-4260	87832-4262	N.A	N.A	1	YES	N.A	YES	YES	YES	44.65	42.85	40.00	36.00	38.00	43.00	0.15	3.60±0.20	E	
		87832-4220	87832-4222	N.A	N.A	2															
		87832-4221	87832-4223	N.A	N.A	3															
		87832-4270	87832-4272	N.A	N.A	4															
	44	87832-4460	87832-4462	87832-7162	1	1	YES	N.A	YES	YES	YES	46.65	44.85	42.00	38.00	40.00	45.00	0.15	3.60±0.20		
		87832-4420	87832-4422	87832-7122	1	2															
		87832-4421	87832-4423	87832-7123	1	3															
		87832-4470	87832-4472	87832-7172	1	4	YES	N.A	YES	YES	N.A							0.15	3.60±0.20		
		87832-4413	87832-4417	87832-4415	3	3															
D	46	87832-4660	87832-4662	87832-7262	1	1	YES	N.A	YES	YES	YES	48.65	46.85	44.00	40.00	42.00	47.00	0.15	3.60±0.20	D	
		87832-4620	87832-4622	87832-7222	1	2															
		87832-4621	87832-4623	N.A	N.A	3															
		87832-4670	87832-4672	87832-7272	1	4															
	48	87832-4860	87832-4862	N.A	N.A	1	YES	N.A	YES	YES	YES	50.65	48.85	46.00	42.00	44.00	49.00	0.15	3.60±0.20		
		87832-4820	87832-4822	N.A	N.A	2															
		87832-4821	87832-4823	N.A	N.A	3															
		87832-4870	87832-4872	N.A	N.A	4															
C	50	87832-5060	87832-5062	87832-7462	1	1	YES	N.A	YES	YES	YES	52.65	50.85	48.00	44.00	46.00	51.00	0.15	3.60±0.20	C	
		87832-5020	87832-5022	87832-7422	1	2															
		87832-5021	87832-5023	87832-7423	1	3															
		87832-5070	87832-5072	87832-7472	1	4	YES	N.A	YES	YES	N.A							0.15	3.60±0.20		
		87832-5012	87832-5016	N.A	N.A	2															
B																					
PLATING OPTIONS: 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 2 - 0.38um/15uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 3 - 0.76um/30uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 4 - 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL.																					
A		RELEASED EC NO: S2015-1435 DRWN:GMEWRLY 2015/05/22 CHKD:CGOH 2015/09/21 APPR:KHLIM 2015/09/22		REV		QUALITY SYMBOLS F=0 F=0 F=0		GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DIMENSION STYLE MM ONLY DRAWN BY DATE GMEWRLY 2015/05/22 CHECKED BY DATE CGOH 2015/09/21 APPROVED BY DATE KHLIM 2015/09/22		SCALE NTS		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION		MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex		SHEET NO. 11 OF 12	
		A								SEE TABLE		DOCUMENT NO. SD-87832-0001									
												SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
		fb_frame_A3_P_AM_T Rev. G 2012/01/11		9		8		7		6		5		4		3		2		1	

PACKAGING OPTIONS

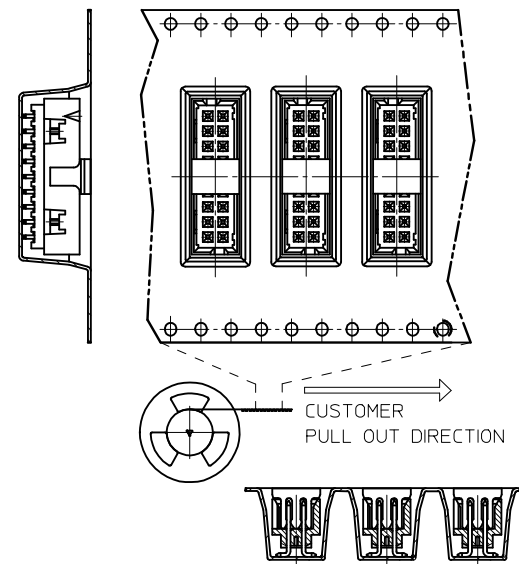
OPTION 1



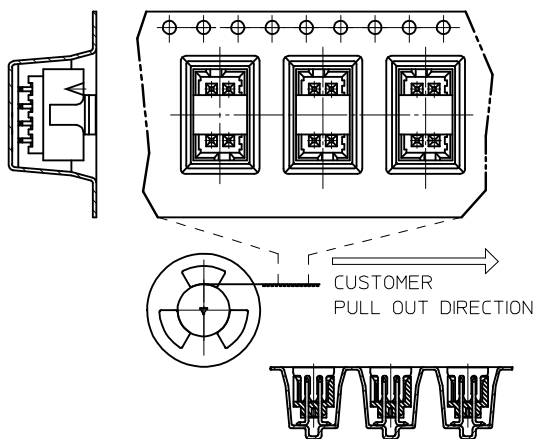
OPTION 2



OPTION 3



OPTION 4



EMBOSSED TAPE & REEL POCKET DESCRIPTIONS

OPTIONS	CENTER POLARIZATION OPTIONS		PEG OPTIONS		PILOT HOLE OPTIONS	
	ON THE LEFT	ON THE RIGHT	WITH PEG	WITHOUT PEG	2 SIDES	1 SIDE
1	YES	N.A	YES	N.A	YES	N.A
2	N.A	YES	YES	N.A	YES	N.A
3	YES	N.A	N.A	YES	YES	N.A
4	YES	N.A	YES	N.A	N.A	YES

RELEASED EC NO: S2015-1435 DRAWING:GMENARLY CHKD:CGOH APPR:KHL IM	2015/05/22 2015/09/21 2015/09/22	DESCRIPTION REV	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm INCH		DRAWN BY DATE		TITLE MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex			
				4 PLACES ± --- ± ---		GMENARLY 2015/05/22					
				3 PLACES ± --- ± ---		CHECKED BY DATE					
				2 PLACES ± 0.20 ± ---		CGOH 2015/09/21					
				1 PLACE ± --- ± ---		APPROVED BY DATE		DOCUMENT NO. SD-87832-0001 SHEET NO. 12 OF 12			
				0 PLACE ± --- ± ---		KHL IM 2015/09/22					
				ANGULAR ± 3 °		MATERIAL NO.					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE					
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					