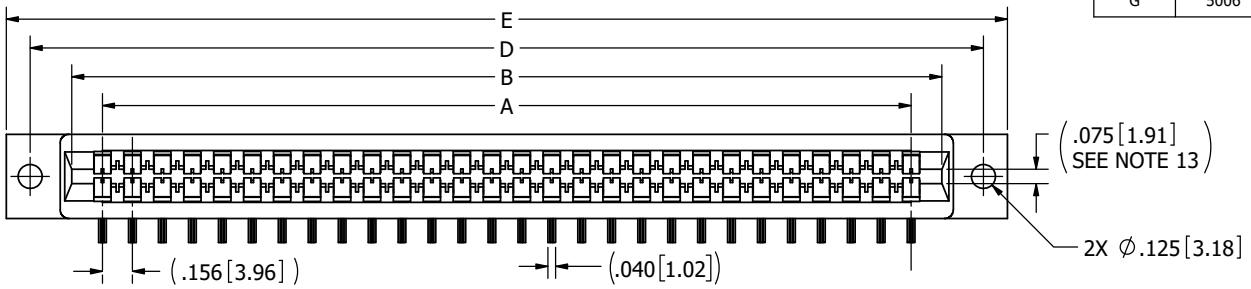
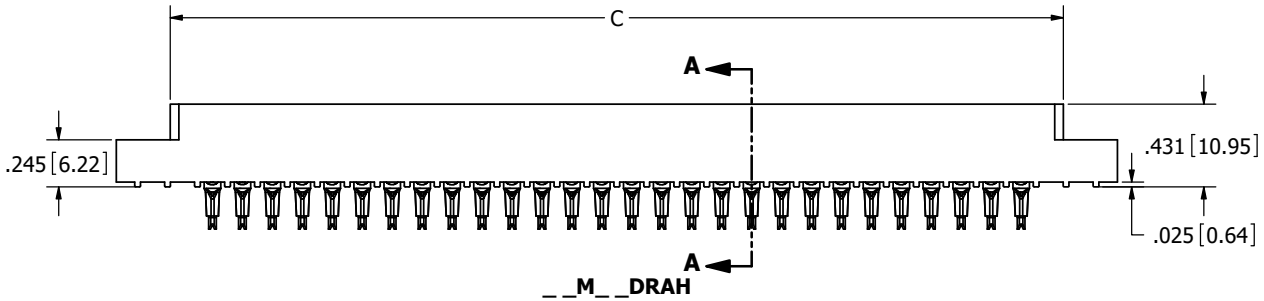
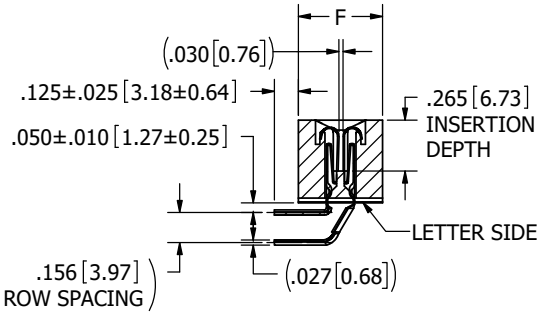
REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
E	4133	UPDATE NOTE 8 (WAS 3A), REMOVE CURRENT RATING IN P/N CODING, REMOVE 'N' ONLY FOR POSI 2,3,4, ADD POSITION 16 & 20 (# 12688)	10/24/2019	JH
F	4662	ADD S38, S81, S328	4/24/2023	MM
G	5006	ADD V-CRIMP REFERENCE DIMENSIONS	4/24/2026	JH

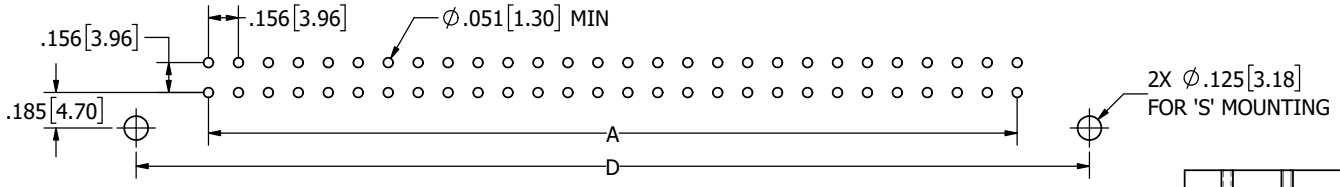




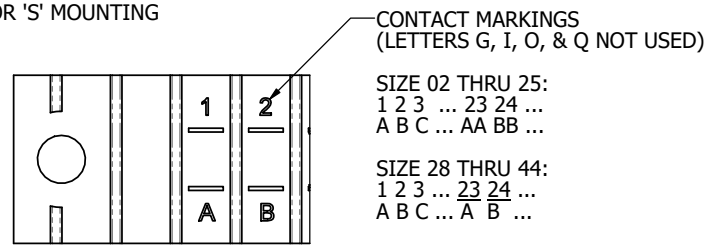
_ _M_ _DRAH



SECTION A-A



PCB LAYOUT RECOMMENDED
(COMPONENT SIDE)



CONTACT ID
SCALE 3:1
(PINS OMITTED FOR CLARITY)

NOTES:
1. INSULATOR MATERIAL: SEE PART NUMBER CODING
2. CONTACT MATERIAL: SEE PART NUMBER CODING
3. PLATING: SEE PART NUMBER CODING
4. OPERATING TEMPERATURE: SEE PART NUMBER CODING
5. PROCESSING TEMP: SEE PART NUMBER CODING
6. UL FLAMMABILITY RATING: 94V-0
7. OPERATING VOLTAGE: 950 VAC
8. CURRENT RATING: 5 AMP
9. CONTACT RESISTANCE: 30 MILLI OHMS MAX
10. INSULATION RESISTANCE: 5000 MEGA OHMS
11. DURABILITY: 500 CYCLES MINIMUM
12. CONNECTOR IDENTIFICATION: THE PART SHALL BE MARKED WITH A PART NUMBER AND LOT CODE
13. BOARD THICKNESS ACCOMMODATED: .062±.008[1.57±0.20]
14. INSERTION FORCE: 16 OZ MAX PER CONTACT PAIR WHEN USING A .062[1.57] TEST BLADE INTERNAL INSPECTION TO BE PER SULLINS WORK INSTRUCTION WI-8.6-03
15. WITHDRAWAL FORCE: 1 OZ MIN PER CONTACT PAIR USING .062[1.57] TEST BLADE
16. THREADED INSERT: ROTATIONAL TORQUE 4IN-LBS MAX.
17. MODIFICATION: SEE PART NUMBER CODING

RoHS COMPLIANT

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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM]

TOLERANCES:

ANGULAR: ± 1°

DECIMALS
.XX=± .02 [.5]
.XXX=± .005 [.13]
.XXXX=± .0005 [.013]

DRAWN	DATE	NAME
	11/14/2011	JH

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SULLINS CONNECTOR SOLUTIONS

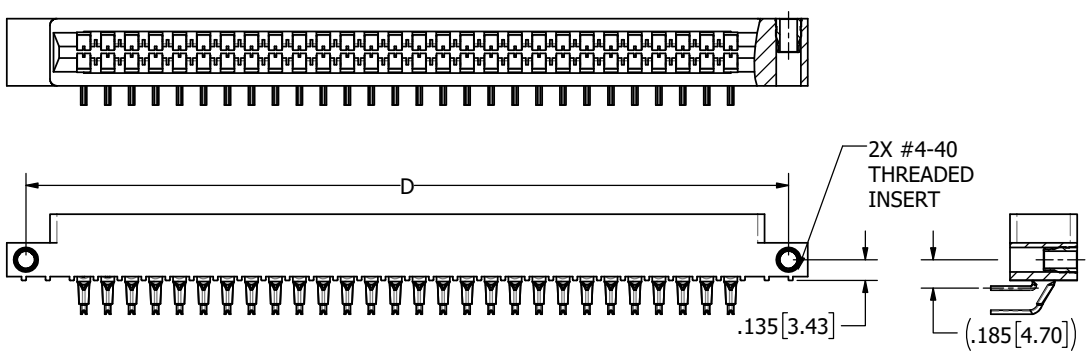
TITLE: EDGECARD, .156 CC, RAB

PART NUMBER: _ _M_ _DRA_ (-S38, S81, S328)

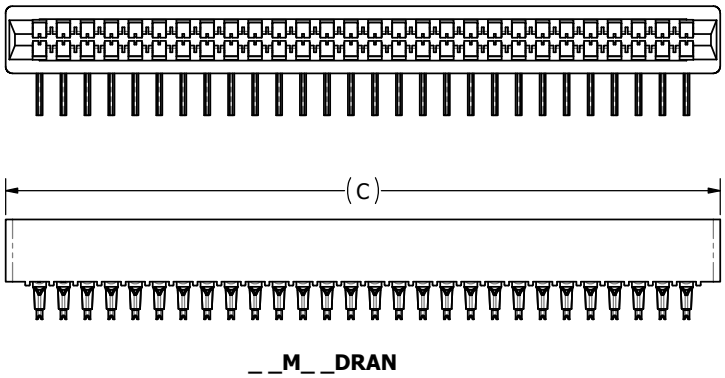
SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C11126	G

SCALE: 2:1 SHEET 1 OF 3

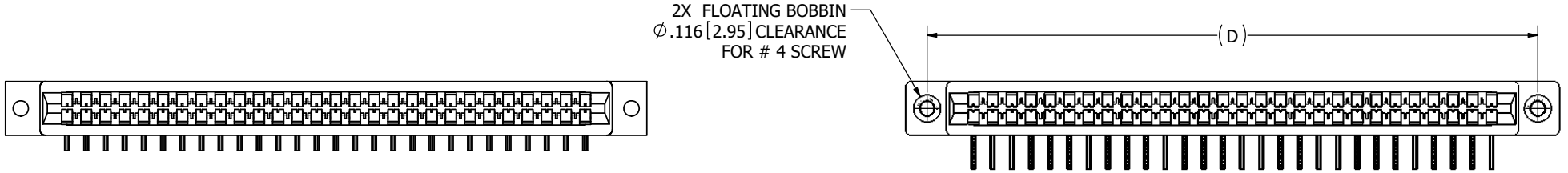
FILE NAME: C11126, _ _M_ _DRA_-OMIT, S38, S81, S328

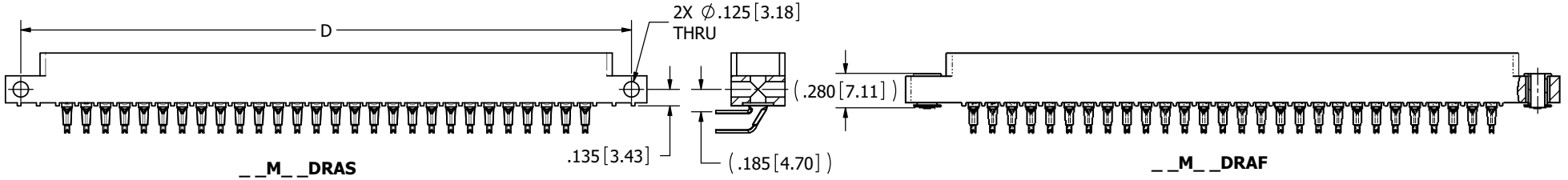


_ _M_ _DRAA



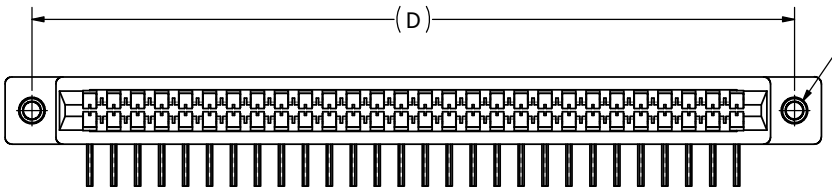
_ _M_ _DRAN

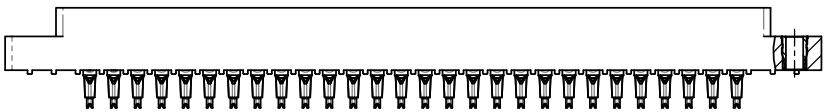




_ _M_ _DRAS

_ _M_ _DRAF





_ _M_ _DRAI

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RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MM]

TOLERANCES:

ANGULAR: ± 1°

DECIMALS
.XX= ± .02 [.5]
.XXX= ± .005 [.13]
.XXXX= ± .0005 [.013]

	DATE	NAME
DRAWN	11/14/2011	JH

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SULLINS CONNECTOR SOLUTIONS

TITLE: EDGECARD, .156 CC, RAB

PART NUMBER: _ _M_ _DRA_ (-S38, S81, S328)

SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C11126	G

SCALE: 2:1.25

SHEET 2 OF 3

FILE NAME: C11126, _ _M_ _DRA_-OMIT, S38, S81, S328

PART NUMBER	NO. OF POS.	A ± .008[0.20]		B ±.008[0.20]		C ±.015[0.38]		D ±.010[0.25]		E ±.020[0.51]		FOR 'I' OR 'F' MTG ONLY E ±.020[0.51]		F +.005[0.13]/-.015[0.38]	
		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
_ _M02DRA_	2	0.156	3.96	0.476	12.09	0.596	15.14	0.909	23.09	1.158	29.41	1.258	31.95	0.325	8.26
_ _M03DRA_	3	0.312	7.92	0.632	16.05	0.752	19.10	1.065	27.05	1.314	33.38	1.414	35.92		
_ _M04DRA_	4	0.468	11.89	0.788	20.02	0.908	23.06	1.221	31.01	1.470	37.34	1.570	39.88		
_ _M06DRA_	6	0.780	19.81	1.100	27.94	1.220	30.99	1.533	38.94	1.782	45.26	1.882	47.80		
_ _M07DRA_	7	0.936	23.77	1.256	31.90	1.376	34.95	1.689	42.90	1.938	49.23	2.038	51.77		
_ _M08DRA_	8	1.092	27.74	1.412	35.86	1.532	38.91	1.845	46.86	2.094	53.19	2.194	55.73		
_ _M10DRA_	10	1.404	35.66	1.724	43.79	1.844	46.84	2.157	54.79	2.406	61.11	2.506	63.65		
_ _M11DRA_	11	1.560	39.62	1.880	47.75	2.000	50.80	2.313	58.75	2.562	65.07	2.662	67.61		
_ _M12DRA_	12	1.716	43.59	2.036	51.71	2.156	54.76	2.469	62.71	2.718	69.04	2.818	71.58		
_ _M15DRA_	15	2.184	55.47	2.504	63.60	2.624	66.65	2.937	74.60	3.186	80.92	3.286	83.46		
_ _M16DRA_	16	2.340	59.44	2.660	67.56	2.780	70.61	3.093	78.56	3.342	84.89	3.442	87.43		
_ _M18DRA_	18	2.652	67.36	2.972	75.49	3.092	78.54	3.405	86.49	3.654	92.81	3.754	95.35		
_ _M20DRA_	20	2.964	75.29	3.284	83.41	3.404	86.46	3.717	94.41	3.966	100.74	4.066	103.28		
_ _M22DRA_	22	3.276	83.21	3.596	91.34	3.716	94.39	4.029	102.34	4.278	108.66	4.378	111.20		
_ _M24DRA_	24	3.588	91.14	3.908	99.26	4.028	102.31	4.341	110.26	4.590	116.59	4.690	119.13		
_ _M25DRA_	25	3.744	95.10	4.064	103.23	4.184	106.27	4.497	114.22	4.746	120.55	4.846	123.09		
_ _M28DRA_	28	4.212	106.98	4.532	115.11	4.652	118.16	4.965	126.11	5.214	132.44	5.314	134.98	0.438	11.13
_ _M36DRA_	36	5.460	138.68	5.780	146.81	5.900	149.86	6.213	157.81	6.462	164.13	6.562	166.67		
_ _M43DRA_	43	6.552	166.42	6.872	174.55	6.992	177.60	7.305	185.55	7.554	191.87	7.654	194.41	0.500	12.70
_ _M44DRA_	44	6.708	170.38	7.028	178.51	7.148	181.56	7.461	189.51	7.710	195.83	7.810	198.37		

PART NUMBER CODING

_ _ M _ _ DRA _ -S_ _ _ _

MATERIAL (INSULATOR/CONTACT)

E = BLUE PBT/PHOSPHOR BRONZE
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: WAVE/MANUAL SOLDERING ONLY

R = GREEN PPS/PHOSPHOR BRONZE
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

G = BLACK PA9T/PHOSPHOR BRONZE
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

H = BLUE PBT/BERYLLIUM COPPER
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: WAVE/MANUAL SOLDERING ONLY

A = GREEN PPS/BERYLLIUM COPPER
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

J = BLACK PA9T/BERYLLIUM COPPER
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

F = GREEN PPS/SPINODAL (CONSULT FACTORY)
OPERATING TEMP: -65°C TO +200°C
AVAILABLE IN OVERALL GOLD ONLY (S OR M PLATING CODE)
PROCESSING TEMP: 260°C MAX FOR 20 SECONDS
(CONSULT FACTORY FOR SPECIAL SOLDERING REQUIREMENTS)

C = GREEN PPS/BERYLLIUM NICKEL (CONSULT FACTORY)
AVAILABLE IN OVERALL GOLD ONLY (S OR M PLATING CODE)
OPERATING TEMP: -65°C TO +200°C
PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

W = TAN PEEK/BERYLLIUM NICKEL (CONSULT FACTORY)
AVAILABLE IN OVERALL GOLD ONLY (M PLATING CODE)
OPERATING TEMP: -65°C TO +250°C
PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

PLATING
ALL PLATINGS HAVE .000050" NICKEL UNDERPLATE

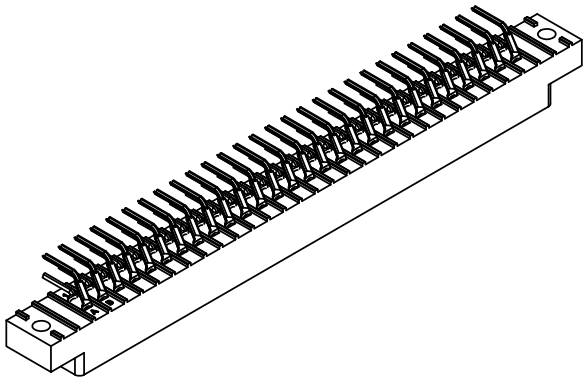
	CONTACT SURFACE	TERMINATION
B =	.000010" GOLD	.000100" PURE TIN, MATTE
C =	.000030" GOLD	.000100" PURE TIN, MATTE
G =	.000010" GOLD	.000005" GOLD
Y =	.000030" GOLD	.000005" GOLD
*E =	.000100" PURE TIN, MATTE	OVERALL
S =	.000010" GOLD	OVERALL
M =	.000030" GOLD	.000010" GOLD OVERALL

*OVERALL TIN ONLY AVAILABLE ON MATERIAL CODES E, R, AND G

NUMBER OF POSITIONS
(CONTACTS PER ROW)

MOUNTING STYLE
H = .125" DIA. CLEARANCE HOLES
N = NO MOUNTING EARS
S = .125" DIA. SIDE MOUNTING
I = #4-40 THREADED INSERT
F = FLOATING BOBBIN
A = #4-40 THREADED INSERT IN SIDE HOLES

MODIFICATION
OMIT = STANDARD, EX: 'EBM22DRAH'
S38 = BLACK PBT (MATERIAL CODES E & H ONLY)
S81 = GREEN PBT (MATERIAL CODES E & H ONLY)
S328 = BROWN PPS (MATERIAL CODES A, R, F, AND C ONLY)



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TOLERANCES:

ANGULAR: ± 1°

DECIMALS
.XX= ± .02 [.5]
.XXX= ± .005 [.13]
.XXXX= ± .0005 [.013]

DRAWN	DATE	NAME
	11/14/2011	JH

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SULLINS CONNECTOR SOLUTIONS

TITLE: EDGECARD, .156 CC, RAB

PART NUMBER: _ _M_ _DRA_ (-S38, S81, S328)

SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C11126	G

SCALE: 1.5:1 SHEET 3 OF 3

FILE NAME: C11126, _ _M_ _DRA_-OMIT, S38, S81, S328