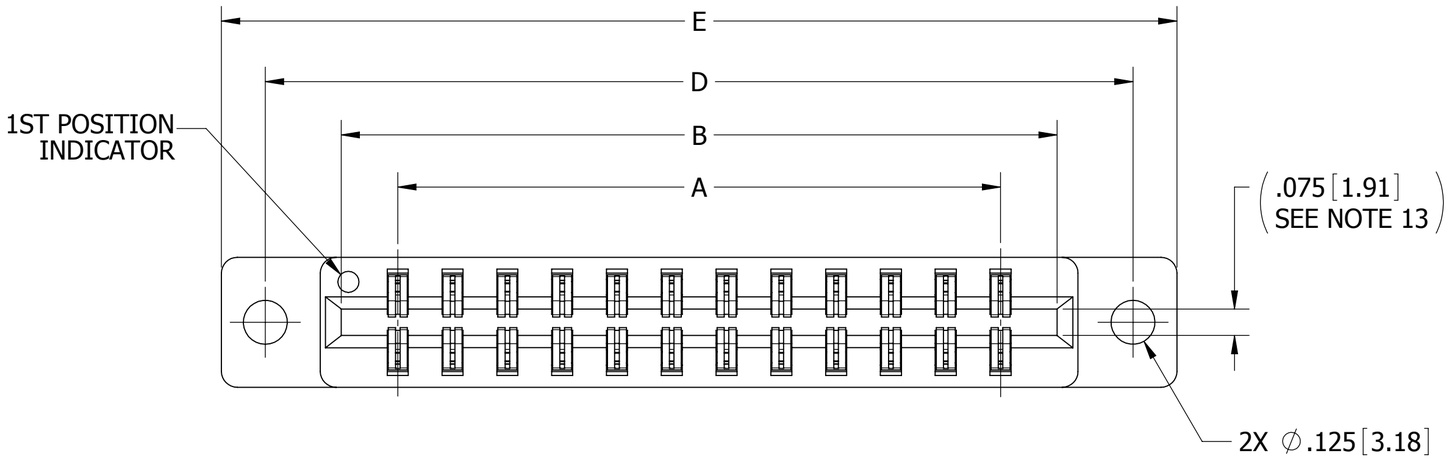
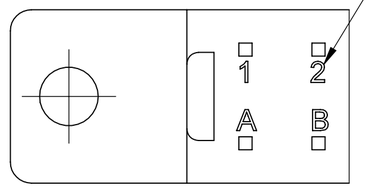
REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
A	2021	INITIAL RELEASE	05/03/11	EB
B	2720	ADDED TOLERANCE TO BODY WIDTH & UPDATED DWG FORMAT	1/29/2013	KV





CONATCT ID
SCALE 2:1
(PINS OMITTED FOR CLARITY)

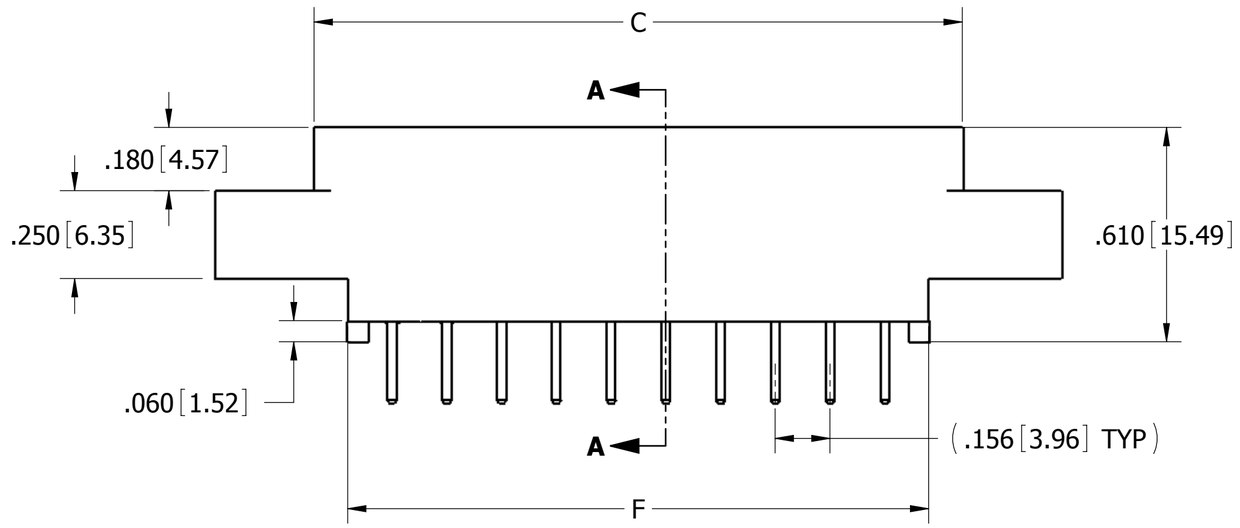
CONTACT IDs:
(LETTERS G, I, O, & Q NOT USED)

SIZES 06 THRU 25 & 30:
1 2 ... 23 24 .. 29 30
A B ... A B ... H J

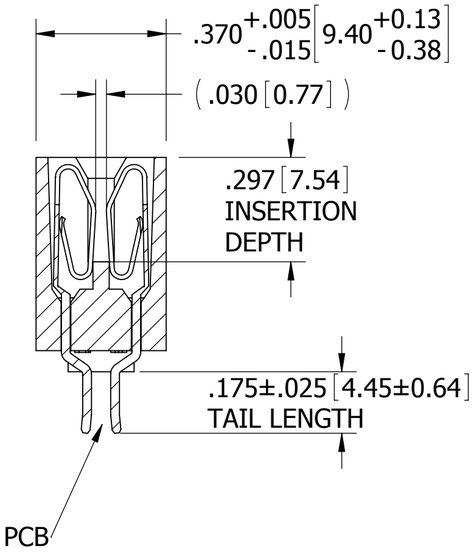
SIZES 28 & 31:
1 2 ... 23 24 ...30 31
A B ... A B ... J K

SIZES 36 THRU 43
A B ... A B ... X Y
1 2 ... 23 24 ...42 43

SIZES 47 & 50
1 3 ..... 97 99
2 4 ..... 98 100



_ _ M _ _ DRSH - S288



SECTION A-A

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 MINIMUM AT SEA LEVEL
8. CURRENT RATING: 3 AMP
9. CONTACT RESISTANCE: 30 MILLI OHMS MAX
10. INSULATION RESISTANCE: 5000 MEGA OHMS
11. DURABILITY: 500 CYCLES MIN
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: 8 OZ MAX PER CONTACT PAIR WHEN USING A .062[1.57] TEST BLADE
15. WITHDRAWAL FORCE: 1 OZ MIN PER CONTACT PAIR USING .062[1.57] PCB
16. MODIFICATION: CARD EXTENDER BEND .055[1.40] INSIDE FOR .062[1.57] PCB

RoHS COMPLIANT

CUSTOMER COPY

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MM]

TOLERANCES:

ANGULAR: ± 1°

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

DRAWN	DATE	NAME
	05/03/11	EB

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SULLINS CONNECTOR SOLUTIONS

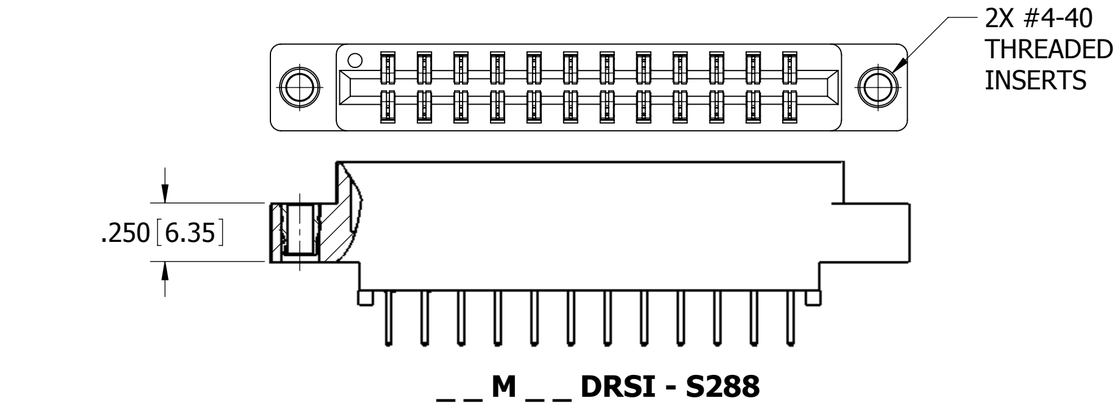
TITLE: EDGECARD, .156 CC, HP

PART NUMBER: _ _ M _ _ DRS _ - S288

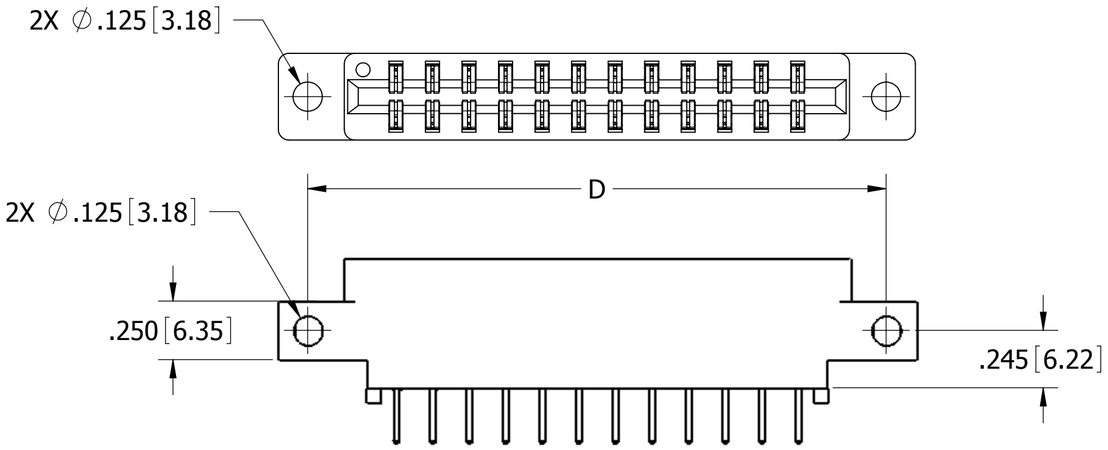
SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C11347	B

SCALE: 3:1 SHEET 1 OF 3

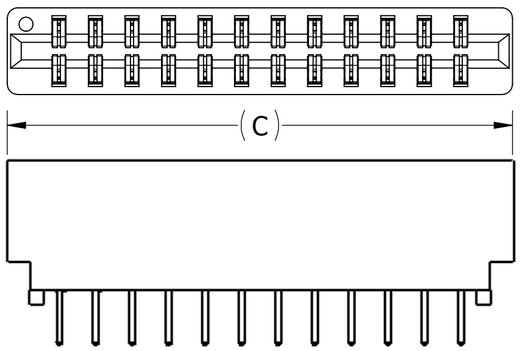
FILE NAME: C11347, _ _M_ _DRS_-S288



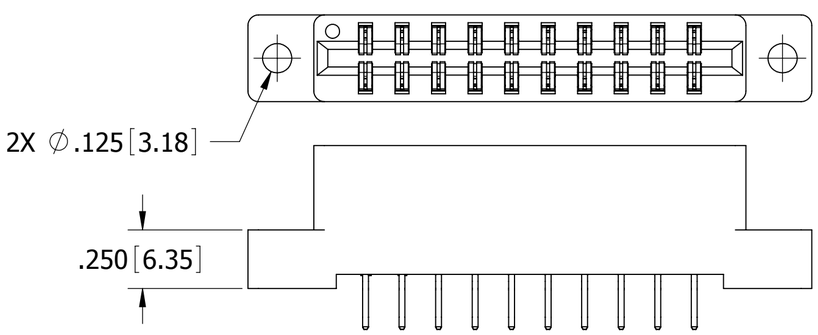
_ _ M _ _ DRSI - S288



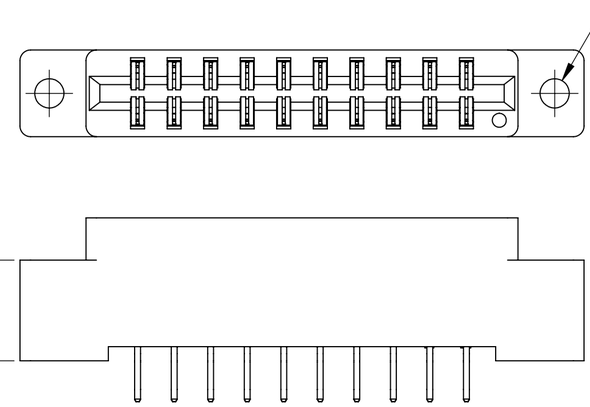
_ _ M _ _ DRSS - S288



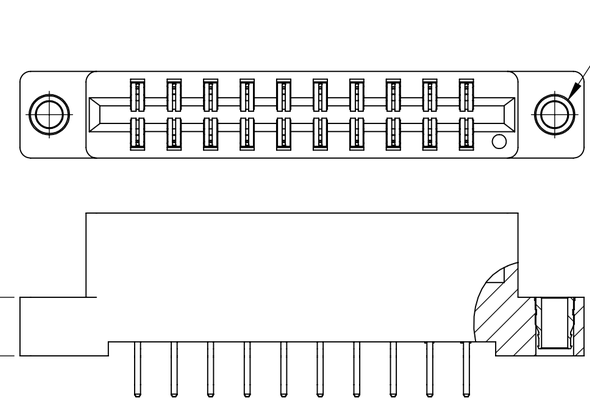
_ _ M _ _ DRSN - S288



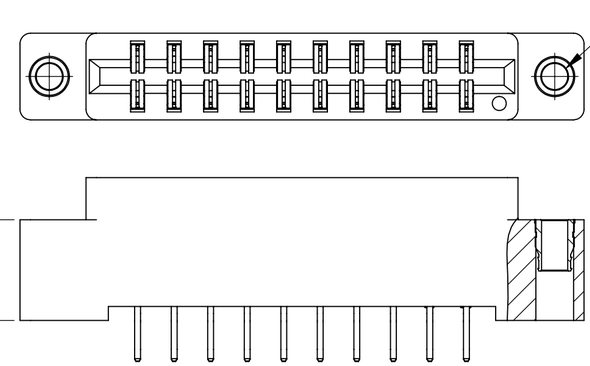
_ _ M _ _ DRSD - S288



_ _ M _ _ DRSW - S288



_ _ M _ _ DRST - S288



_ _ M _ _ DRSX - S288

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RoHS COMPLIANT

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TOLERANCES:

ANGULAR: ± 1°

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

DRAWN	DATE	NAME
	05/03/11	EB

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SULLINS CONNECTOR SOLUTIONS

TITLE: EDGECARD, .156 CC, HP

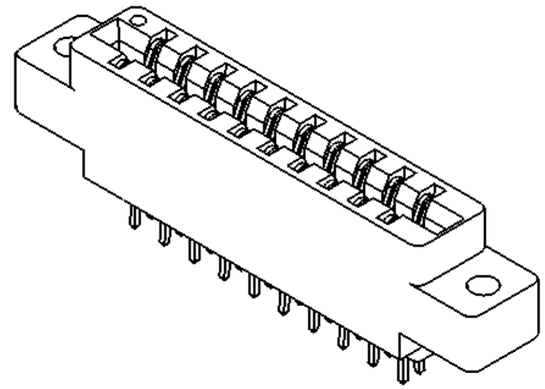
PART NUMBER: _ _ M _ _ DRS _ - S288

SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C11347	B

SCALE: 2:1 SHEET 2 OF 3

FILE NAME: C11347, _ _M_ _DRS_-S288

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]		F±.015[0.38]	
		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
_ _ M06DRS _ - S288	6	0.780	19.81	1.102	27.99	1.221	31.01	1.534	38.96	1.784	45.31	1.030	26.16
_ _ M08DRS _ - S288	8	1.092	27.74	1.414	35.92	1.533	38.94	1.846	46.89	2.096	53.24	1.342	34.09
_ _ M10DRS _ - S288	10	1.404	35.66	1.726	43.84	1.845	46.86	2.158	54.81	2.408	61.16	1.654	42.01
_ _ M12DRS _ - S288	12	1.716	43.59	2.038	51.77	2.157	54.79	2.470	62.74	2.720	69.09	1.966	49.94
_ _ M15DRS _ - S288	15	2.184	55.47	2.506	63.65	2.625	66.68	2.938	74.63	3.188	80.98	2.434	61.82
_ _ M18DRS _ - S288	18	2.652	67.36	2.974	75.54	3.093	78.56	3.406	86.51	3.656	92.86	2.902	73.71
_ _ M20DRS _ - S288	20	2.964	75.29	3.286	83.46	3.405	86.49	3.718	94.44	3.968	100.79	3.214	81.64
_ _ M22DRS _ - S288	22	3.276	83.21	3.598	91.39	3.717	94.41	4.030	102.36	4.280	108.71	3.526	89.56
_ _ M24DRS _ - S288	24	3.588	91.14	3.910	99.31	4.029	102.34	4.342	110.29	4.592	116.64	3.838	97.49
_ _ M25DRS _ - S288	25	3.744	95.10	4.066	103.28	4.185	106.30	4.498	114.25	4.748	120.60	3.994	101.45
_ _ M28DRS _ - S288	28	4.212	106.98	4.534	115.16	4.653	118.19	4.966	126.14	5.216	132.49	4.462	113.33
_ _ M30DRS _ - S288	30	4.524	114.91	4.846	123.09	4.965	126.11	5.278	134.06	5.528	140.41	4.774	121.26
_ _ M31DRS _ - S288	31	4.680	118.87	5.002	127.05	5.121	130.07	5.434	138.02	5.684	144.37	4.930	125.22
_ _ M36DRS _ - S288	36	5.460	138.68	5.782	146.86	5.901	149.89	6.214	157.84	6.464	164.19	5.710	145.03
_ _ M40DRS _ - S288	40	6.084	154.53	6.406	162.71	6.525	165.74	6.838	173.69	7.088	180.04	6.334	160.88
_ _ M43DRS _ - S288	43	6.552	166.42	6.874	174.60	6.993	177.62	7.306	185.57	7.556	191.92	6.802	172.77
_ _ M47DRS _ - S288	47	7.176	182.27	7.498	190.45	7.617	193.47	7.930	201.42	8.180	207.77	7.426	188.62
_ _ M50DRS _ - S288	50	7.644	194.16	7.966	202.34	8.085	205.36	8.398	213.31	8.648	219.66	7.894	200.51



PART NUMBER CODING

_ _ M _ _ DRS _ - S288

MATERIAL (INSULATOR/CONTACT)

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

R = PPS/PHOSPHOR BRONZE
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C FOR 120 SECS MAX

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

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

A = PPS/BERYLLIUM COPPER
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C FOR 120 SECS MAX

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

(CONSULT FACTORY FOR OTHER MATERIALS)

NUMBER OF POSITIONS (CONTACTS PER ROW)

MOUNTING STYLE

H = .125" DIA. CLEARANCE HOLES (PAGE 1)
I = #4-40 THREADED INSERT (PAGE 2)
S = .125" DIA. SIDE MOUNTING (PAGE 2)
N = NO MOUNTING EARS (PAGE 2)
D,W = FLUSH MOUNTING (PAGE 2)
T,X = FLUSH MOUNTING WITH THREADED INSERTS (PAGE 2)

PLATING

ALL PLATINGS ARE LEAD FREE AND 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
S =	.000010" GOLD OVERALL	
M =	.000030" GOLD	.000010" GOLD OVERALL
*E =	.000100" PURE TIN, MATTE, OVERALL	

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

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SCALE: 2:1 SHEET 3 OF 3