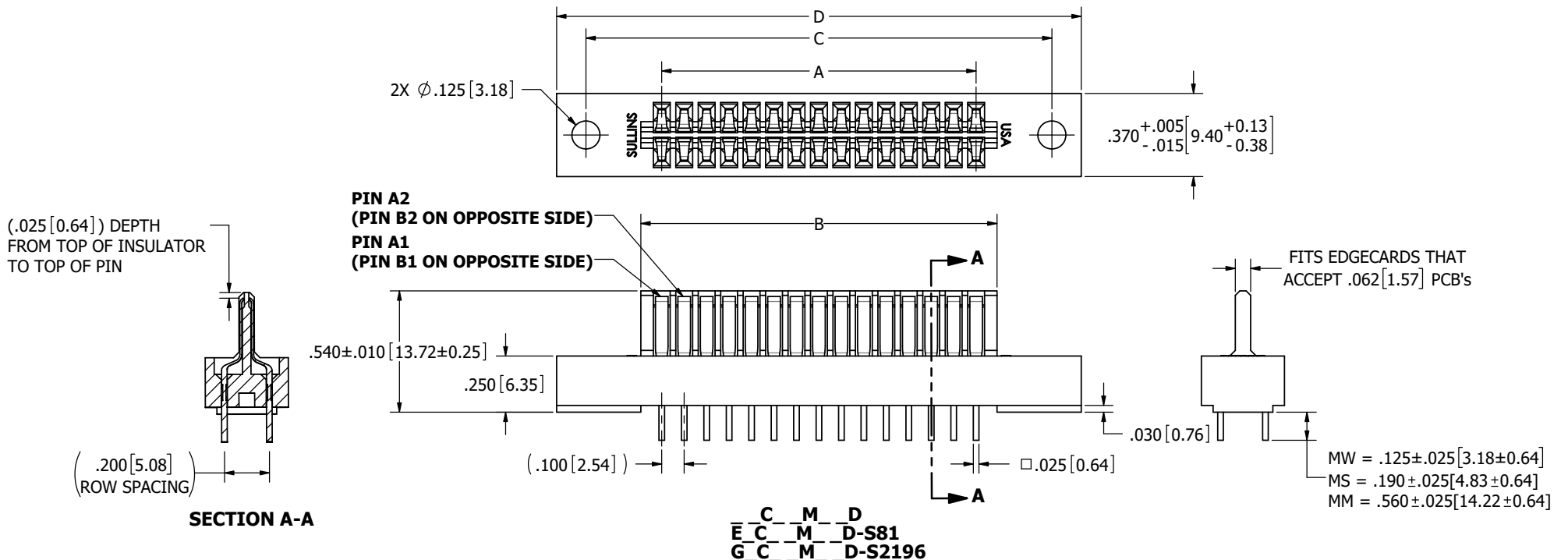


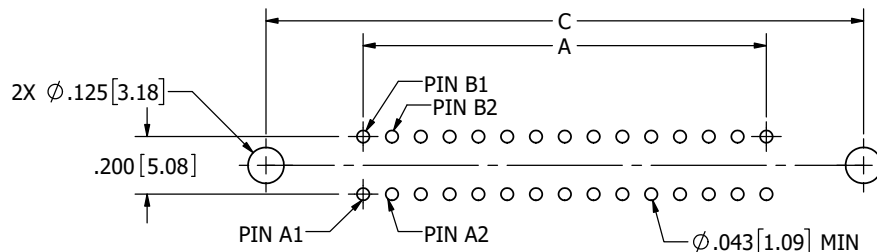
REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
L	3809	ADD KEY SLOT IN POSITION, KEY SLOT BETWEEN POSITIONS OPTION, OBSOLETE DWG 12896 (REPLACE WITH DWG 11051)	2/13/2018	JH
M	4133	ADD PIN A1, A2, B1, B2 NOTE, REMOVE KEY LOCATION TABLE (REPLACE WITH C13556, CHANGE S1013 TO S2425)	10/25/2019	JH
N	4340	ADD NOTE TO P/N CODING S81 FOR GREEN PBT W/O KEY & C14008 FOR BROWN PPS/BLACK PBT WITH MOLDED KEY, OBSOLETE DWG 13027, E. C. MMSD-S2167	3/31/2023	JH



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: 700 VAC
8. CURRENT RATING: 3 AMP
9. CONTACT RESISTANCE: 30 MILLI OHMS MAX
10. INSULATION RESISTANCE: 5000 MEGA OHMS
11. CONNECTOR IDENTIFICATION: PART SHALL BE MARKED WITH A PART NUMBER AND LOT CODE
12. MODIFICATION: SEE PART NUMBER CODING

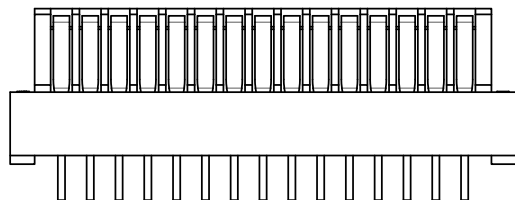
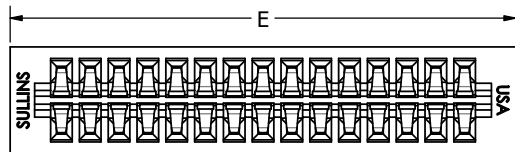
RECOMMENDED PCB LAYOUT (COMPONENT SIDE)



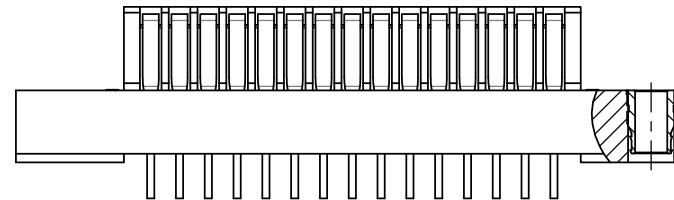
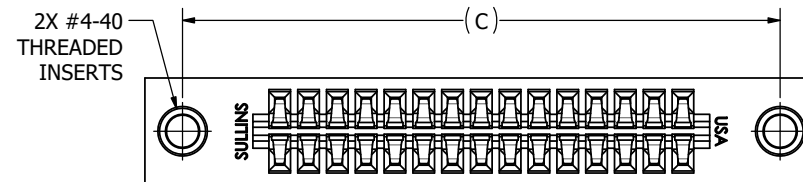
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES (MM)		DRAWN	DATE	NAME
			02/05/08	MNH
TOLERANCES:		THE INFORMATION HEREIN CONTAINS PROPRIETARY INFORMATION OF SULLINS ELECTRONICS AND IS NOT TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY AN OFFICER OF SULLINS ELECTRONICS.		
ANGULAR: $\pm 1^\circ$				
DECIMALS XX = $\pm .02 [5]$ XXX = $\pm .005 [13]$ XXXX = $\pm .0005 [013]$				
TITLE MALE, EDGE CARD, .100 CC		PART NUMBER C M(MW,MS,MM) -(S81, S2196)		
SIZE C	CAGE CODE 54453	DWG. NO. C11051	REV N	
SCALE: 3:1		SHEET 1 OF 4		

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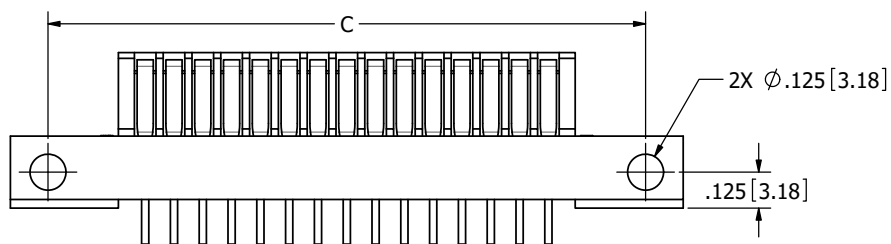
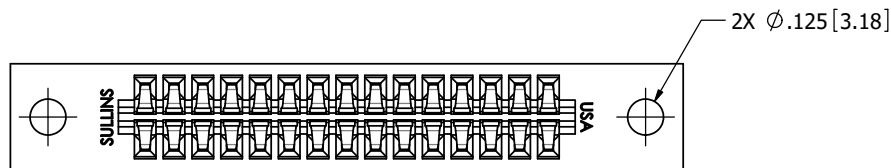




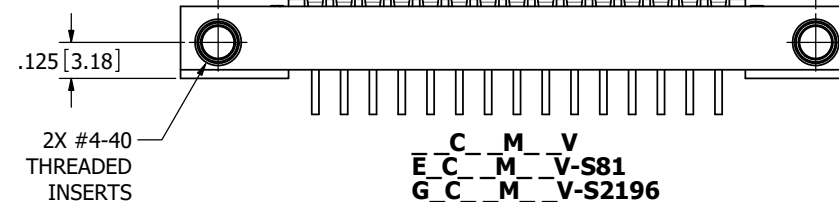
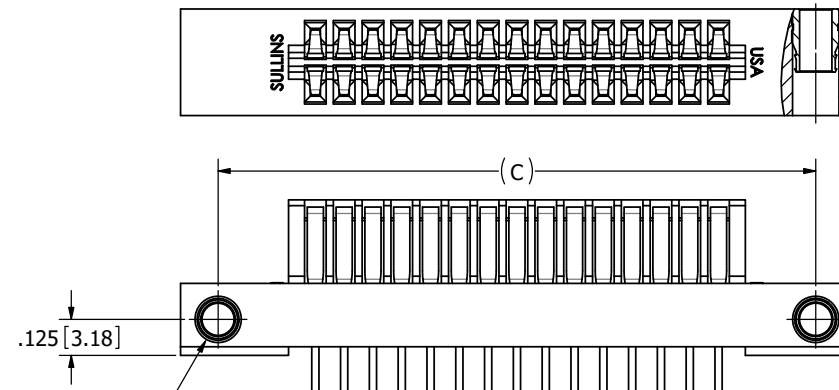
C M N
E C M N-S81
G C M N-S2196



C M T
E C M T-S81
G C M T-S2196



C M Z
E C M Z-S81
G C M Z-S2196



C M V
E C M V-S81
G C M V-S2196

CUSTOMER COPY



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM]		DRAWN	DATE	NAME		
TOLERANCES:		02/05/08		MNH	TITLE	
ANGULAR: ± 1°		THE INFORMATION HEREIN CONTAINS PROPRIETARY INFORMATION OF SULLINS ELECTRONICS AND IS NOT TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY AN OFFICER OF SULLINS ELECTRONICS.		MALE, EDGE CARD, .100 CC		
DECIMALS .XX = ± .02 [.5] .XXX = ± .005 [.13] .XXXX = ± .0005 [.013]		PART NUMBER		C M(MW,MS,MM)_(S81, S2196)		
		CAGE CODE		DWG. NO.		REV
		C 54453		C11051		N
		SCALE: 3:1		SHEET 2 OF 4		

PART NUMBER	NO. OF POS.	A±.008[0.20]		B±.008[0.20]		C±.010[0.25]		D±.020[0.51]		*E±.020[0.51]	
		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
__C04M__	4	0.300	7.62	0.486	12.34	0.975	24.77	1.236	31.39	0.656	16.66
__C05M__	5	0.400	10.16	0.586	14.88	1.075	27.31	1.336	33.93	0.756	19.20
__C06M__	6	0.500	12.70	0.686	17.42	1.175	29.85	1.436	36.47	0.856	21.74
__C07M__	7	0.600	15.24	0.786	19.96	1.275	32.39	1.536	39.01	0.956	24.28
__C08M__	8	0.700	17.78	0.886	22.50	1.375	34.93	1.636	41.55	1.056	26.82
__C09M__	9	0.800	20.32	0.986	25.04	1.475	37.47	1.736	44.09	1.156	29.36
__C10M__	10	0.900	22.86	1.086	27.58	1.575	40.01	1.836	46.63	1.256	31.90
__C11M__	11	1.000	25.40	1.186	30.12	1.675	42.55	1.936	49.17	1.356	34.44
__C12M__	12	1.100	27.94	1.286	32.66	1.775	45.09	2.036	51.71	1.456	36.98
__C13M__	13	1.200	30.48	1.386	35.20	1.875	47.63	2.136	54.25	1.556	39.52
__C14M__	14	1.300	33.02	1.486	37.74	1.975	50.17	2.236	56.79	1.656	42.06
__C15M__	15	1.400	35.56	1.586	40.28	2.075	52.71	2.336	59.33	1.756	44.60
__C16M__	16	1.500	38.10	1.686	42.82	2.175	55.25	2.436	61.87	1.856	47.14
__C17M__	17	1.600	40.64	1.786	45.36	2.275	57.79	2.536	64.41	1.956	49.68
__C18M__	18	1.700	43.18	1.886	47.90	2.375	60.33	2.636	66.95	2.056	52.22
__C19M__	19	1.800	45.72	1.986	50.44	2.475	62.87	2.736	69.49	2.156	54.76
__C20M__	20	1.900	48.26	2.086	52.98	2.575	65.41	2.836	72.03	2.256	57.30
__C21M__	21	2.000	50.80	2.186	55.52	2.675	67.95	2.936	74.57	2.356	59.84
__C22M__	22	2.100	53.34	2.286	58.06	2.775	70.49	3.036	77.11	2.456	62.38
__C23M__	23	2.200	55.88	2.386	60.60	2.875	73.03	3.136	79.65	2.556	64.92
__C24M__	24	2.300	58.42	2.486	63.14	2.975	75.57	3.236	82.19	2.656	67.46
__C25M__	25	2.400	60.96	2.586	65.68	3.075	78.11	3.336	84.73	2.756	70.00
__C26M__	26	2.500	63.50	2.686	68.22	3.175	80.65	3.436	87.27	2.856	72.54
__C27M__	27	2.600	66.04	2.786	70.76	3.275	83.19	3.536	89.81	2.956	75.08
__C28M__	28	2.700	68.58	2.886	73.30	3.375	85.73	3.636	92.35	3.056	77.62
__C29M__	29	2.800	71.12	2.986	75.84	3.475	88.27	3.736	94.89	3.156	80.16
__C30M__	30	2.900	73.66	3.086	78.38	3.575	90.81	3.836	97.43	3.256	82.70
__C31M__	31	3.000	76.20	3.186	80.92	3.675	93.35	3.936	99.97	3.356	85.24
__C32M__	32	3.100	78.74	3.286	83.46	3.775	95.89	4.036	102.51	3.456	87.78
__C33M__	33	3.200	81.28	3.386	86.00	3.875	98.43	4.136	105.05	3.556	90.32
__C34M__	34	3.300	83.82	3.486	88.54	3.975	100.97	4.236	107.59	3.656	92.86
__C35M__	35	3.400	86.36	3.586	91.08	4.075	103.51	4.336	110.13	3.756	95.40

PART NUMBER	NO. OF POS.	A±.008[0.20]		B±.008[0.20]		C±.010[0.25]		D±.020[0.51]		*E±.020[0.51]	
		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
__C36M__	36	3.500	88.90	3.686	93.62	4.175	106.05	4.436	112.67	3.856	97.94
__C37M__	37	3.600	91.44	3.786	96.16	4.275	108.59	4.536	115.21	3.956	100.48
__C38M__	38	3.700	93.98	3.886	98.70	4.375	111.13	4.636	117.75	4.056	103.02
__C39M__	39	3.800	96.52	3.986	101.24	4.475	113.67	4.736	120.29	4.156	105.56
__C40M__	40	3.900	99.06	4.086	103.78	4.575	116.21	4.836	122.83	4.256	108.10
__C41M__	41	4.000	101.60	4.186	106.32	4.675	118.75	4.936	125.37	4.356	110.64
__C42M__	42	4.100	104.14	4.286	108.86	4.775	121.29	5.036	127.91	4.456	113.18
__C43M__	43	4.200	106.68	4.386	111.40	4.875	123.83	5.136	130.45	4.556	115.72
__C44M__	44	4.300	109.22	4.486	113.94	4.975	126.37	5.236	132.99	4.656	118.26
__C45M__	45	4.400	111.76	4.586	116.48	5.075	128.91	5.336	135.53	4.756	120.80
__C46M__	46	4.500	114.30	4.686	119.02	5.175	131.45	5.436	138.07	4.856	123.34
__C47M__	47	4.600	116.84	4.786	121.56	5.275	133.99	5.536	140.61	4.956	125.88
__C48M__	48	4.700	119.38	4.886	124.10	5.375	136.53	5.636	143.15	5.056	128.42
__C49M__	49	4.800	121.92	4.986	126.64	5.475	139.07	5.736	145.69	5.156	130.96
__C50M__	50	4.900	124.46	5.086	129.18	5.575	141.61	5.836	148.23	5.256	133.50
__C51M__	51	5.000	127.00	5.186	131.72	5.675	144.15	5.936	150.77	5.356	136.04
__C52M__	52	5.100	129.54	5.286	134.26	5.775	146.69	6.036	153.31	5.456	138.58
__C53M__	53	5.200	132.08	5.386	136.80	5.875	149.23	6.136	155.85	5.556	141.12
__C54M__	54	5.300	134.62	5.486	139.34	5.975	151.77	6.236	158.39	5.656	143.66
__C55M__	55	5.400	137.16	5.586	141.88	6.075	154.31	6.336	160.93	5.756	146.20
__C56M__	* 56	5.500	139.70	5.686	144.42					5.856	148.74
__C57M__	* 57	5.600	142.24	5.786	146.96					5.956	151.28
__C58M__	* 58	5.700	144.78	5.886	149.50					6.056	153.82
__C59M__	* 59	5.800	147.32	5.986	152.04					6.156	156.36
__C60M__	* 60	5.900	149.86	6.086	154.58					6.256	158.90

*'N' MTG ONLY

PART NUMBER CODING

__C__M__S__

MATERIAL (INSULATOR/CONTACT)

E = BLUE PBT/ PHOSPHOR BRONZE

OPERATING TEMP: -65°C TO +125°C

PROCESSING TEMP: WAVE/MANUAL SOLDERING ONLY

G = BLACK PA9T/ PHOSPHOR BRONZE**

OPERATING TEMP: -65°C TO +150°C

PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

R = BLACK PPS/ PHOSPHOR BRONZE**

OPERATING TEMP:

-65°C TO +150°C ('B' OR 'C' PLATING)

-65°C TO +200°C ('M' PLATING ONLY)

PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

Q = TAN PEEK/ PHOSPHOR BRONZE**

OPERATING TEMP: -65°C TO +250°C

PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

AVAILABLE IN OVERALL GOLD ('M' PLATING ONLY)

PLATING

ALL PLATINGS HAVE .000050" NICKEL UNDERPLATE

CONTACT SURFACE

TERMINATION

B = .000010" GOLD

.000100" PURE TIN, MATTE

C = .000030" GOLD

.000100" PURE TIN, MATTE

M = .000030" GOLD

.000010" GOLD OVERALL

**OR EQUIVALENT

MODIFICATION

OMIT FOR STANDARD COLOR INSULATOR WITHOUT MOLDED KEY, EX: 'EBC22MMWD'

S81 = GREEN PBT WITHOUT MOLDED KEY (FOR MATERIAL CODE 'E' ONLY)

S2196 = WHITE PA9T WITHOUT MOLDED KEY (FOR MATERIAL CODE 'G' ONLY)

SEE DRAWING C13556 FOR S#, 'G' & 'H' DIMENSIONS FOR STANDARD COLOR WITH MOLDED KEY

SEE DRAWING C14008 FOR S#, 'G' & 'H' DIMENSIONS FOR BROWN PPS OR BLACK PBT WITH MOLDED KEY

MOUNTING STYLE

D = FLUSH, .125" DIA. CLEARANCE HOLES

N = NO MOUNTING EARS

Z = FLUSH, .125" DIA. SIDE MOUNTING

T = FLUSH, #4-40 THREADED INSERT

V = FLUSH, SIDE MOUNT #4-40 THREADED INSERT

TERMINATION

MW = DIP SOLDER, .125[3.18] TAIL LENGTH

MS = DIP SOLDER, .190[4.93] TAIL LENGTH

MM = WIRE WRAP, .560[14.22] TAIL LENGTH

NUMBER OF POSITIONS

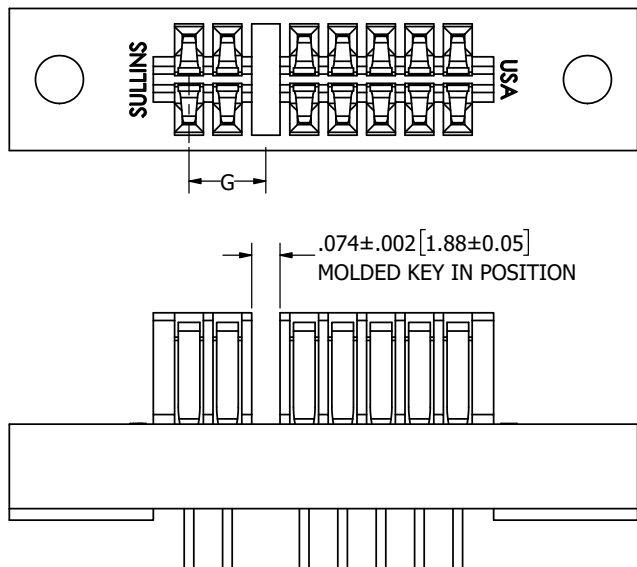
(CONTACTS PER ROW)



RoHS COMPLIANT

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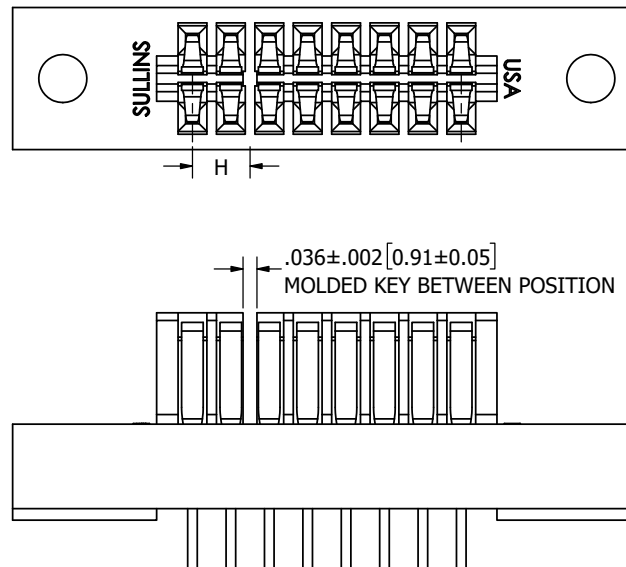
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM]	DRAWN 02/05/08	DATE 02/05/08	NAME MNH		
TOLERANCES: ANGULAR: ± 1° DECIMALS XX= ± .02 [5] XXX= ± .005 [13] XXXX= ± .0005 [013]				THE INFORMATION HEREIN CONTAINS PROPRIETARY INFORMATION OF SULLINS ELECTRONICS AND IS NOT TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY AN OFFICER OF SULLINS ELECTRONICS.	
TITLE MALE, EDGE CARD, .100 CC				PART NUMBER C_M(MW,MS,MM)_-(S81, S2196)	
SIZE C		CAGE CODE 54453		DWG. NO. C11051	REV N
SCALE: 3:1		SHEET 3 OF 4			



('D' MOUNTING AS SHOWN FOR EXAMPLE)

MATING SULLINS PRODUCT SERIES:

1. STD LOW PROFILE FEMALE CONNECTORS WITH MOLDED KEY IN POSTION
2. STD HIGH PROFILE FEMALE CONNECTORS WITH MOLDED KEY IN POSITION



('D' MOUNTING AS SHOWN FOR EXAMPLE)

MATING SULLINS PRODUCT SERIES:

1. STD LOW PROFILE FEMALE CONNECTORS WITH MOLDED KEY BETWEEN POSTIONS, OR WITH IN-BETWEEN CONTACT KEY (SULLINS P/N: PLA-K1)
2. HIGH PROFILE FEMALE CONNECTORS WITH MOLDED KEY .030" WIDE BETWEEN POSITIONS (CONSULT FACTORY FOR PART NUMBER)

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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM]		DRAWN	DATE	NAME			
TOLERANCES:			02/05/08	MNH	TITLE		
ANGULAR: ± 1°		THE INFORMATION HEREIN CONTAINS PROPRIETARY INFORMATION OF SULLINS ELECTRONICS AND IS NOT TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY AN OFFICER OF SULLINS ELECTRONICS.				MALE, EDGE CARD, .100 CC	
DECIMALS .XX= ± .02 [.5] .XXX= ± .005 [.13] .XXXX= ± .0005 [.013]		PART NUMBER				C M(MW,MS,MM) -(S81, S2196)	
		SIZE	CAGE CODE	DWG. NO.	REV		
		C	54453	C11051	N		
		SCALE: 3:1		SHEET 4 OF 4			