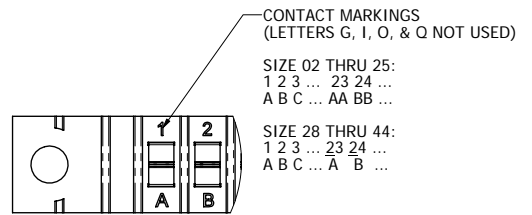
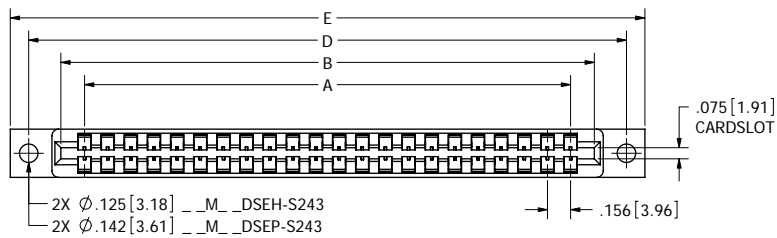
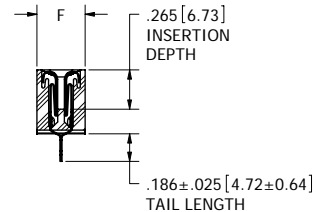


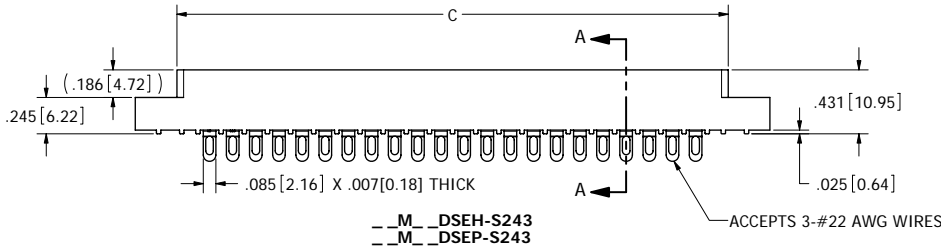
REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
A	604	INITIAL RELEASE	05/02/2005	TT
B	898	ADDED WIDTH DIMENSION	1/12/2006	HT
C	1375	UPDATED FORMAT. ADDED ALL TABULATIONS. CORRECTED S# CALL OUT FROM S13 TO S243 IN TABULATION BLOCK	6/6/2007	MNH
D	1390	ADD CURRENT RATING TO F MATERIAL	6/18/2007	MNH
E	1656	ADDED 'P' MOUNTING	4/8/2008	MNH
F	1662	UPDATE DRAWING FORMAT & PART NUMBER CODING	4/18/2008	VJ



CONTACT ID
SCALE 4:1



SECTION A-A



NOTES:

- INSULATOR MATERIAL: SEE PART NUMBER CODING.
- CONTACT MATERIAL: SEE PART NUMBER CODING.
- PLATING: SEE PART NUMBER CODING.
- TEMPERATURE: SEE PART NUMBER CODING.
- PROCESSING TEMP: SEE PART NUMBER CODING.
- UL FLAMMABILITY RATING: 94V-0.
- VOLTAGE RATING: 1800 VDC MINIMUM AT SEA LEVEL.
- CURRENT RATING: SEE PART NUMBER CODING.
- VOLTAGE DROP: 30 MILLI VOLT AT RATED CURRENT.
- INSULATION RESISTANCE: 5000 MEGA OHMS.
- CONNECTOR IDENTIFICATION: THE PART SHALL BE MARKED WITH A PART NUMBER AND BARCODE.
- BOARD THICKNESS ACCOMMODATED: .062 ± .008 [1.57 ± 0.20].
- BOARD INSERTION FORCE: 16 OZ MAX PER CONTACT PAIR WHEN USING A .062 [1.57] TEST BLADE. INTERNAL INSPECTION TO BE PER SULLIN'S WORK INSTRUCTION W17.3-01.
- BOARD WITHDRAWAL FORCE: 1 OUNCE MINIMUM PER CONTACT PAIR USING .062 [1.57] PCB.
- MODIFICATION: CRIMP BOTH ROWS TO CENTER.

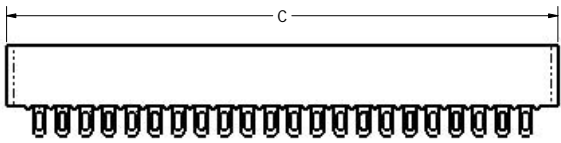


RoHS COMPLIANT

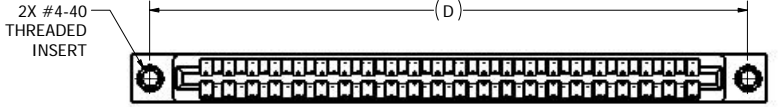
CUSTOMER COPY

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES(MM)		DATE	NAME	SULLINS ELECTRONICS DESCRIPTION: EDGE CARD, .156 CC, LP PART NUMBER: _M_ _DSE -S243 SIZE: C DWG. NO. C10454 REV. F SCALE: 2:1 SHEET 1 OF 3
TOLERANCES: ANGULAR: ± 1° XX = ± .02 [508] XXX = ± .005 [127] XXXX = ± .0005 [127] PARENTHETICAL INFORMATION IS FOR REFERENCE ONLY INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5-1984		8/2/2006	HT	

8 7 6 5 4 3 2 1

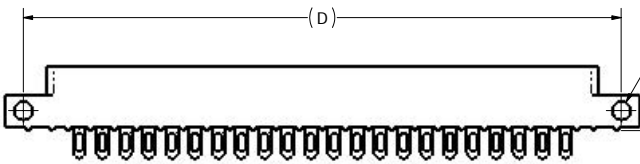


_M_DSEN-S243

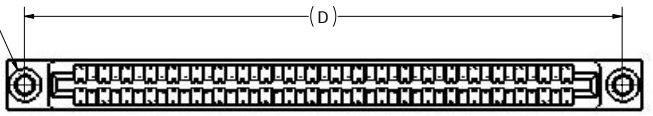


_M_DSEI-S243

2X FLOATING BOBBIN
 $\phi .116[2.95]$ CLEARANCE
 FOR # 4 SCREW



_M_DSES-S243



_M_DSEF-S243

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RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES(MM)
 TOLERANCES:
 ANGULAR: $\pm 1^\circ$
 XX = $\pm .02$ [508]
 XXX = $\pm .005$ [1270]
 XXXX = $\pm .0005$ [1272]
 PARENTHETICAL INFORMATION IS FOR REFERENCE ONLY
 INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5-1984

DATE	NAME
8/2/2006	HT

SULLINS ELECTRONICS	
DESCRIPTION: EDGE CARD, .156 CC, LP	
PART NUMBER: _M_DSE-S243	
SIZE: C	DWG. NO.: C10454
SCALE: 2:1	REV: F
SHEET 2 OF 3	

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]		E ± .020[0.51]		F ± .005[0.13]	
		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
		"N" MOUNTING													
M02DSEN-S243	2	0.156	3.96	0.476	12.09	0.596	15.14								
M03DSEN-S243	3	0.312	7.92	0.632	16.05	0.752	19.10								
M06DSE -S243	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		
M08DSE -S243	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		
M10DSE -S243	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		
M11DSE -S243	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	0.325	8.26
M12DSE -S243	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		
M15DSE -S243	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		
M18DSE -S243	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		
M22DSE -S243	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		
M24DSE -S243	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	0.438	11.13
M25DSE -S243	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		
M28DSE -S243	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		
M36DSE -S243	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		
M43DSE -S243	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
M44DSE -S243	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		

Only applies for PPS/PEEK insulators with threaded inserts or floats

PART NUMBER CODING

-- M -- DSE -- S243

MATERIAL (INSULATOR/CONTACT)

- E = PBT/PHOSPHOR BRONZE**
OPERATING TEMP: -65°C TO +125°C @ 3 AMPS PER CONTACT
OPERATING TEMP: -65°C TO +21°C @ 5 AMPS PER CONTACT
PROCESSING TEMP: 260°C FOR 10 SECS MAX
- R = PPS/PHOSPHOR BRONZE**
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C FOR 120 SECS MAX
CURRENT RATING PER CONTACT: 5 AMPS
- G = PA9T/PHOSPHOR BRONZE**
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C FOR 120 SECS MAX
CURRENT RATING PER CONTACT: 5 AMPS
- H = PBT/BERYLLIUM COPPER**
OPERATING TEMP: -65°C TO +125°C @ 3 AMPS PER CONTACT
OPERATING TEMP: -65°C TO +105°C @ 5 AMPS PER CONTACT
PROCESSING TEMP: 260°C FOR 10 SECS MAX
- A = PPS/BERYLLIUM COPPER**
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C FOR 120 SECS MAX
CURRENT RATING PER CONTACT: 5 AMPS
- J = PA9T/BERYLLIUM COPPER**
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C FOR 120 SECS MAX
CURRENT RATING PER CONTACT: 5 AMPS
- F = PPS/SPINODAL (CONSULT FACTORY)**
AVAILABLE IN OVERALL GOLD ONLY (S OR M PLATING CODE)
OPERATING TEMP: -65°C TO +200°C
PROCESSING TEMP: 260°C FOR 120 SECS MAX
CURRENT RATING PER CONTACT: 3 AMPS
- C = PPS/BERYLLIUM COPPER (CONSULT FACTORY)**
AVAILABLE IN OVERALL GOLD ONLY (S OR M PLATING CODE)
OPERATING TEMP: -65°C TO +200°C @ 2 AMPS PER CONTACT
OPERATING TEMP: -65°C TO +173°C @ 3 AMPS PER CONTACT
PROCESSING TEMP: 260°C FOR 120 SECS MAX
- W = PEEK/BERYLLIUM COPPER (CONSULT FACTORY)**
AVAILABLE IN OVERALL GOLD ONLY (S OR M PLATING CODE)
OPERATING TEMP: -65°C TO +250°C
CURRENT RATING PER CONTACT: 3 AMPS
(CONSULT FACTORY FOR OTHER MATERIALS)

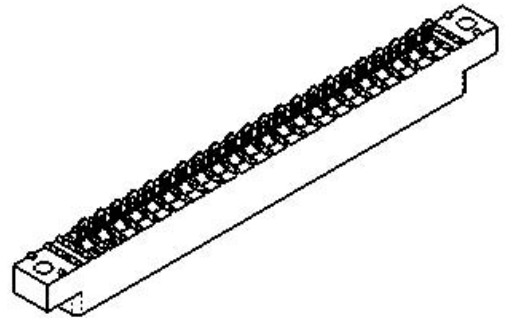
MOUNTING STYLE

- H = .125" DIA. CLEARANCE HOLES (PAGE 1)
- P = .142" DIA. CLEARANCE HOLES (PAGE 1)
- N = NO MOUNTING EARS (PAGE 2)
- S = .125" DIA. SIDE MOUNTING (PAGE 2)
- I = #4-40 THREADED INSERT (PAGE 2)
- F = FLOATING BOBBIN (PAGE 2)

PLATING

ALL PLATINGS ARE LEAD FREE AND HAVE .000050" NICKEL UNDERPLATE

- CONTACT SURFACE
- G = .000010" GOLD
- Y = .000030" GOLD
- B = .000010" GOLD
- C = .000030" GOLD
- **E = .000100" PURE TIN, MATTE, OVERALL
- S = .000010" GOLD OVERALL
- M = .000030" GOLD
- ** OVERALL TIN ONLY AVAILABLE ON MATERIAL CODES E, R AND G
- TERMINATION
- .000005" GOLD
- .000005" GOLD
- .000100" PURE TIN, MATTE
- .000100" PURE TIN, MATTE



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RoHS COMPLIANT

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INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5-1984		DESCRIPTION EDGE CARD, .156 CC, LP	
SIZE C		PART NUMBER M_DSE -S243	
DWG. NO. C10454		REV F	
SCALE: 2:1		SHEET 3 OF 3	