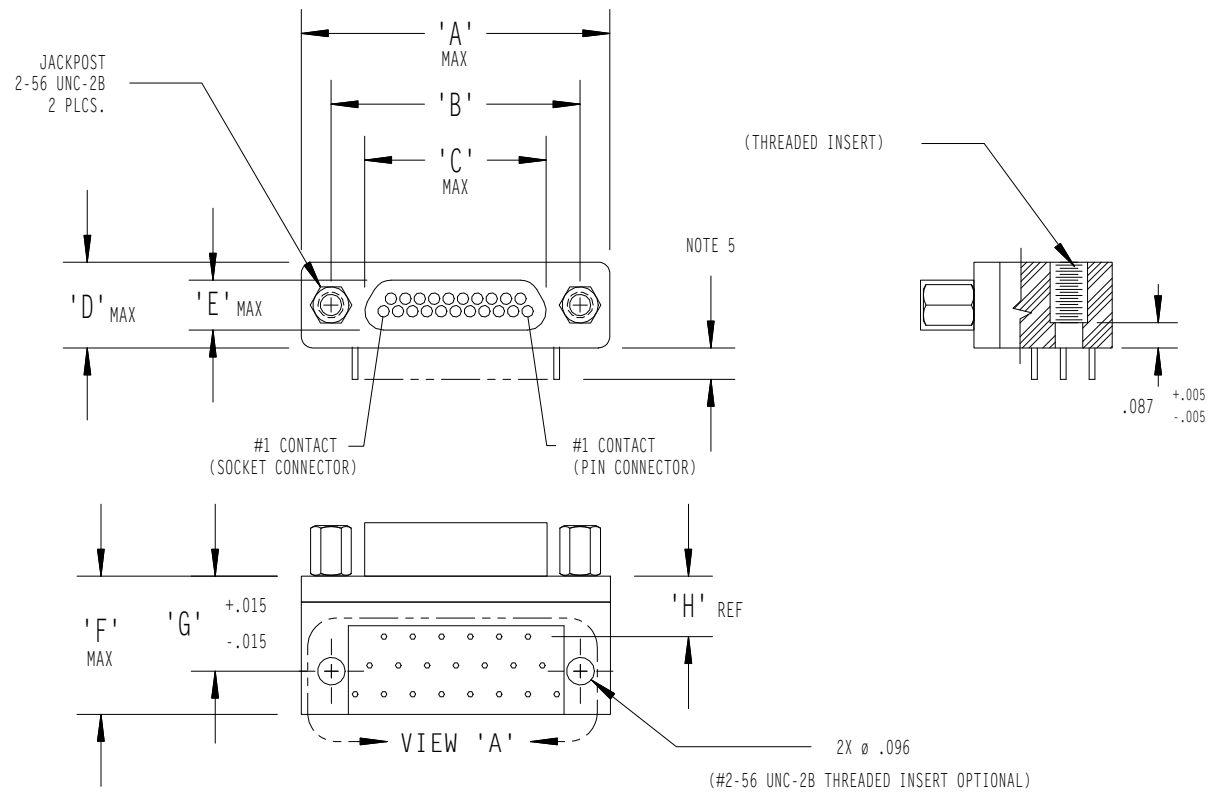


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REVISIONS																					
ECO		REV		DESCRIPTION						DATE		APPROVED									
		B		REVISED AND REDRAWN						22MAR13		WC									
		C		ADDED MS JACKPOST OPTION						28OCT13		WC									
		D		ADDED MS FOOTPRINT OPTION						18JUN14		WC									



MEC STANDARD FOOTPRINT												M83513 FOOTPRINT (FACTORY MOD CODE 'MS')		
CONNECTOR		A	B	C	D	E	F	G	H	F	G	H		
9	PIN	0.785	0.565	0.334	0.310	0.184	0.400	0.230	0.210	0.420	0.250	0.230		
	SKT			0.402		0.252								
15	PIN	0.935	0.715	0.484	0.310	0.184	0.480	0.330	0.210	0.420	0.250	0.130		
	SKT			0.552		0.252								
21	PIN	1.085	0.865	0.634	0.310	0.184	0.480	0.330	0.210	0.420	0.250	0.130		
	SKT			0.702		0.252								
25	PIN	1.185	0.965	0.734	0.310	0.184	0.480	0.330	0.210	0.420	0.250	0.130		
	SKT			0.802		0.252								
31	PIN	1.335	1.115	0.884	0.310	0.184	0.600	0.330	0.210	0.520	0.250	0.130		
	SKT			0.952		0.252								
37	PIN	1.485	1.265	1.034	0.310	0.184	0.600	0.330	0.210	0.520	0.250	0.130		
	SKT			1.102		0.252								
51	PIN	1.435	1.215	0.984	0.355	0.227	0.710	0.360	0.210	0.650	0.300	0.150		
	SKT			1.052		0.295								
100	PIN	2.170	1.800	1.384	0.394	0.271	1.010	0.420	0.210	1.000	0.400	0.200		
	SKT			1.498		0.394								

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. UNLESS OTHERWISE SPECIFIED TOLERANCE FOR ALL DIMENSIONS ARE +/- .005.
3. SEE SHEET 2 FOR TERMINATION LAYOUTS.
4. CIRCUIT NUMBERS SHOWN ON SHEET 2 ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON PART.
5. STANDARD LENGTHS ARE .109", .140", AND .172". OTHER LENGTHS ARE AVAILABLE. CONSULT FACTORY.
6. MORE THAN 1 FACTORY CODE MAY BE USED. CONSULT FACTORY FOR ADDITIONAL MODIFICATION CODES.

METAL SHELL

MNR-15P CBRPT-.XXX /Ø1

SERIES

SHELL FINISH

A = ALODINE
B = BLACK ANODIZE
C = CADMIUM
G = GOLD
N = NICKEL

INSULATOR MATERIAL

E = POLYESTER
R = POLYPHENYLENE SULPHIDE (PPS)

CONTACT LAYOUT

9, 15, 21, 25, 31,
37, 51, 60, 100

CONTACT TYPE

P = PIN (PLUG)
S = SOCKET (RECEPTACLE)

- FACTORY MOD CODE (NOTE 6)

```

/01 = HIGH TEMPERATURE (200C)
      INSULATOR MATERIAL CODE 'R' ONLY
/MS = M83513 DIMENSIONS

```

— LEAD LENGTH (IN.) (NOTE 5)

BLANK = .109" (STD)

THREADED INSERT

OMIT 'T' IF NO INSERTS DESIRED

JACKPOST (OMIT IF NONE DESIRED)

P = MIN-E-CON STD JACKPOST (.090" DEEP C'BORE)
M07 = M83513 JACKPOST (.037" DEEP C'BORE)

RIGHT ANGLE PCB MOUNT

CBR = STD CONFIGURATION (ALL SIZES)
CBRA = ALT. CONFIGURATION (SIZE 25 ONLY)

PLASTIC SHELL

MES-15PCBRPT-.XXX/01

SERIES

INSULATOR MATERIAL

E = POLYESTER
R = POLYPHENYLENE SULPHIDE (PPS)

INTERFACIAL SEAL

S = SILICONE RUBBER SEAL -
CONTACT TYPE 'S' ONLY
OMIT IF ORDERING PIN/PLUG OR
IF NO SEAL IS DESIRED

CONTACT LAYOUT

9, 15, 21, 25, 31,
37, 51, 60, 100

CONTACT TYPE

P = PIN (PLUG)
S = SOCKET (RECEPTACLE)

- FACTORY MOD CODE (NOTE 6)

```

/01 = HIGH TEMPERATURE (200C)
      INSULATOR MATERIAL CODE 'R' ONLY
/MS = M83513 DIMENSIONS

```

— LEAD LENGTH (IN.) (NOTE 5)

BLANK = .109" (STD)

THREADED INSERT

OMIT 'T' IF NO INSERTS DESIRED

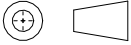
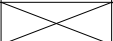
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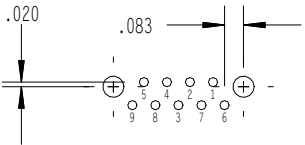
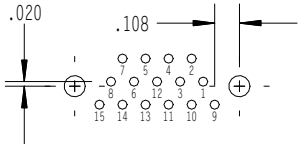
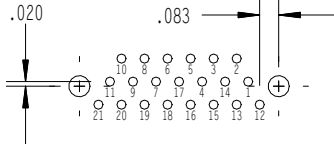
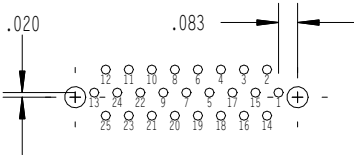
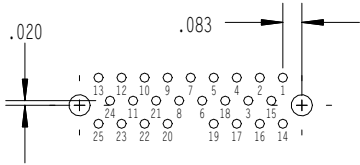
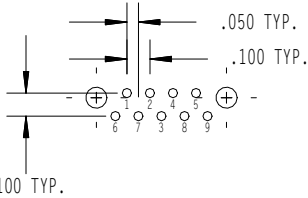
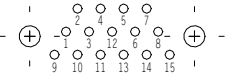
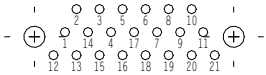
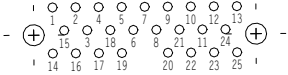
P = MIN-E-CON STD JACKPOST (.090" DEEP C'BORE)
M07 = M83513 JACKPOST (.037" DEEP C'BORE)

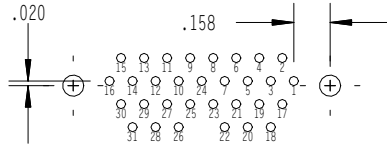
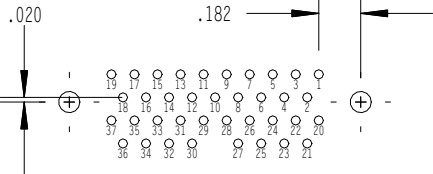
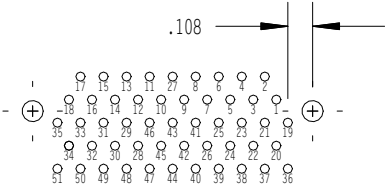
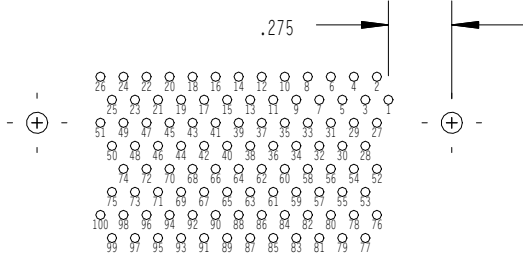
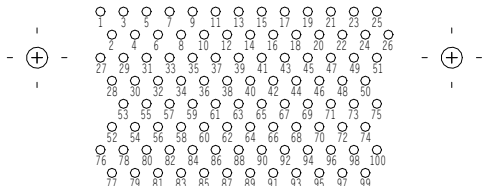
RIGHT ANGLE PCB MOUNT

CBR = STD CONFIGURATION (ALL SIZES)
CBRA = ALT. CONFIGURATION (SIZE 25 ONLY)

INTENDED USE				MASTER DRAWING	
REFERENCE				DWG TITLE	
SIGNATURES		DATE		MASTER DRAWING 'M' SERIES 'CBR'	
DRAWN					
CHARETTE		22MAR13			
CHECKED				SIZE B	FSCM NO. 54455
APPROVED				DWG NO. 00-006-0000	REV D
		SCALE		SHEET 1 OF 2	

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												ECO	REV	DESCRIPTION		DATE	APPROVED
														D	SEE SHEET I		

	9	15	21	25	25 (ALT)
PLUG (PIN)					
RECEPTACLE (SOCKET)					

	31	37	51	100
PLUG (PIN)				
RECEPTACLE (SOCKET)				

INTENDED USE		 MASTER DRAWING	
REFERENCE		MASTER DRAWING 'M' SERIES 'CBR'	
SIGNATURES		DATE	
DRAWN CHARETTE		22MAR13	
CHECKED			
APPROVED			
SIZE B	FSCM NO. 54455	DWG NO. 00-006-0000	REV D
SCALE		SHEET 2 OF 2	

SEE SHEET I FOR NOTES.