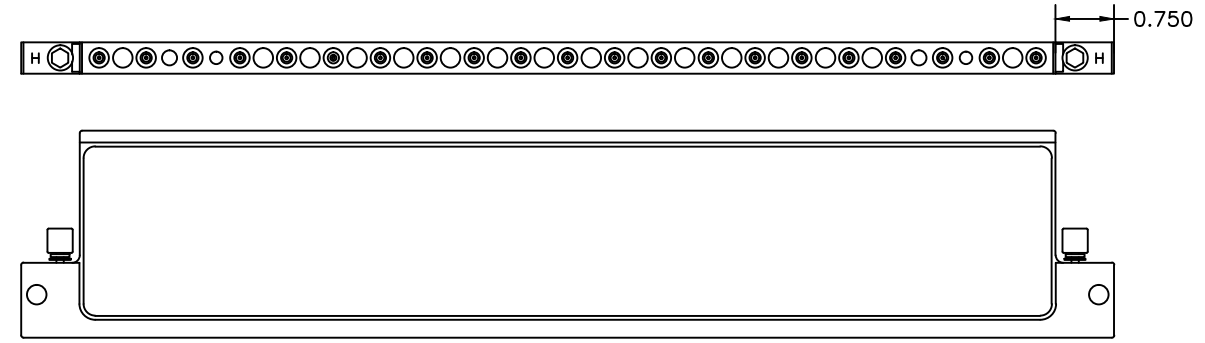
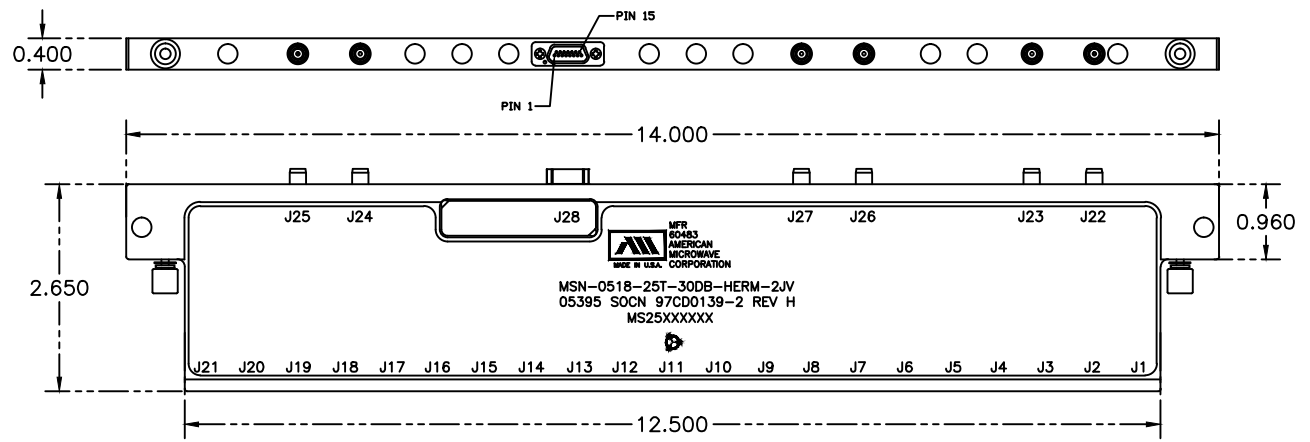


ZONE		REV.	DESCRIPTION	DATE	APPROVED
		A	SEE ER# 037-20	7/28/20	RRA

**SPECIFICATIONS:**

- FREQUENCY: ..... 0.5 GHz TO 18 GHz
- INSERTION LOSS: ..... 0.5 TO 1.0 GHz, 3.5 dB MAX.  
1.0 TO 2.0 GHz, 4.0 dB MAX.  
2.0 TO 4.0 GHz, 4.5 dB MAX.  
4.0 TO 8.0 GHz, 5.0 dB MAX.  
8.0 TO 12.0 GHz, 6.0 dB MAX.  
12.0 TO 18.0 GHz, 7.5 dB MAX.
- INSERTION LOSS FLATNESS: ..... 0.5 TO 12.0 GHz, ±0.75 dB.  
(WITHIN ANY OCTAVE BANDWIDTH) 12.0 TO 18.0 GHz, ±1.2 dB.
- ISOLATION: ..... 60 dB MIN.
- VSWR INPUT/OUTPUT ON: ..... 2.0:1 OVER 90%
- VSWR OUTPUT OFF: ..... 1.8:1 MAX.
- SPEED: ..... DELAY ON: 2000 nSec MAX  
DELAY OFF: 2000 nSec MAX
- POWER INPUT: ..... +20 dBm CW
- CONTROL: ..... SEE LOGIC TABLE
- SWITCHING TRANSIENTS: ..... 200 mV PK-PK 100 MHz BANDWIDTH
- OUTPUT 1dB COMPRESSION: ..... +20 dBm MIN.
- 2nd ORDER HARMONIC: ..... +65 dBm MIN.
- 3rd ORDER HARMONIC: ..... +35 dBm MIN.
- POWER SUPPLY: ..... +5V @ 220 mA MAX.  
-12V @ 45 mA MAX.



**LOGIC TABLE**

Control Logic				RF signal port	Control Logic				RF signal port		
D4	D3	D2	D1	D0	D4	D3	D2	D1	D0		
0	0	0	0	0	ALL OFF	0	1	1	0	1	J13
0	0	0	0	1	J1	0	1	1	1	0	J14
0	0	0	1	0	J2	0	1	1	1	1	J15
0	0	0	1	1	J3	1	0	0	0	0	J16
0	0	1	0	0	J4	1	0	0	0	1	J17
0	0	1	0	1	J5	1	0	0	1	0	J18
0	0	1	1	0	J6	1	0	0	1	1	J19
0	0	1	1	1	J7	1	0	1	0	0	J20
0	1	0	0	0	J8	1	0	1	0	1	J21
0	1	0	0	1	J9	1	0	1	1	0	J22
0	1	0	1	0	J10	1	0	1	1	1	J23
0	1	0	1	1	J11	1	1	0	0	0	J24
0	1	1	0	0	J12	1	1	0	0	1	J25

**MULTIPIN PINOUT**

Pin Number	Nomenclature	Pin Number	Nomenclature
1	D0 (LSB)	8	SPARE
2	D1	9	+5VDC
3	D2	10	GND
4	D3	11	-12VDC
5	D4 (MSB)	12	SPARE
6	SPARE	13	GND
7	*BLANKING	14	STROBE
		15	*STROBE

~ INDICATES A NEGATIVE TRUE SIGNAL.

**ENVIRONMENTAL RATINGS:**

- TEMPERATURE: ..... -54°C TO +70°C (OPERATING)  
-54°C TO +85°C (OPERATING NO DAMAGE)  
-62°C TO +85°C (STORAGE)
- HUMIDITY: ..... PER 97CD0139 H, SECTION 3.2.6.3, 0 TO 100% (WITH CONDENSATION)
- SHOCK: ..... PER 97CD0139 H, SECTION 3.2.6.5
- VIBRATION: ..... PER 97CD0139 H, SECTION 3.2.6.4, 1 HOUR PER AXIS
- ALTITUDE: ..... PER 97CD0139 H, SECTION 3.2.6.1, 0 TO 50,000 FT (OPERATING & STORAGE)
- SALT FOG: ..... PER 97CD0139 H, SECTION 3.2.6.6
- FUNGUS: ..... PER 97CD0139 H, SECTION 3.2.6.9
- TEMPERATURE CYCLE: ..... PER 97CD0139 H, SECTION 3.2.6.10.1

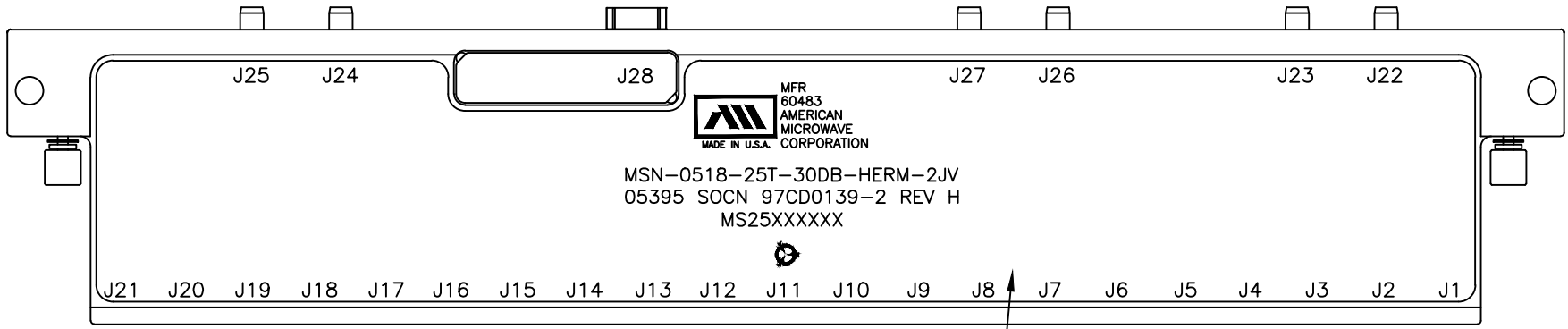
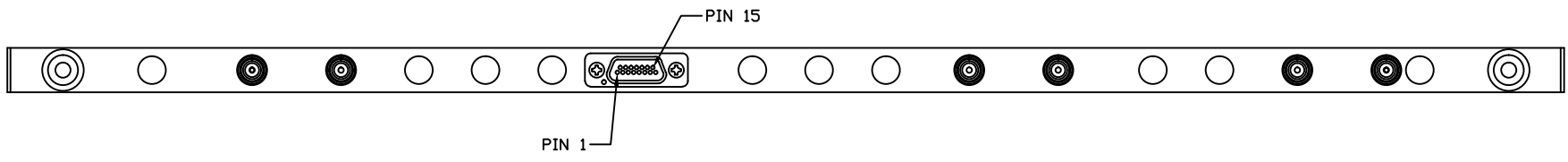
ALL DIMENSIONS ARE IN INCHES  
USE 97CD0139 REV H FOR  
TOLERANCES AND ADDITIONAL  
DIMENSIONS.

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

\* Units are designed to meet Environmental ratings but may not be tested.  
If Environmental Testing is required, please contact Sales Department.

APPROVALS		DATE	AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
DRAWN		RJW	7/8/20	TITLE	
ENG		RRA	7/8/20	PRODUCT FEATURE	
QAE		RRA	7/8/20	MSN-0518-25T-30DB-HERM-2JV	
SIZE	FSCM NO.	DWG NO.	REV.		
A	60483	100-9063	A		
SCALE N/S			SHEET 1 of 2		

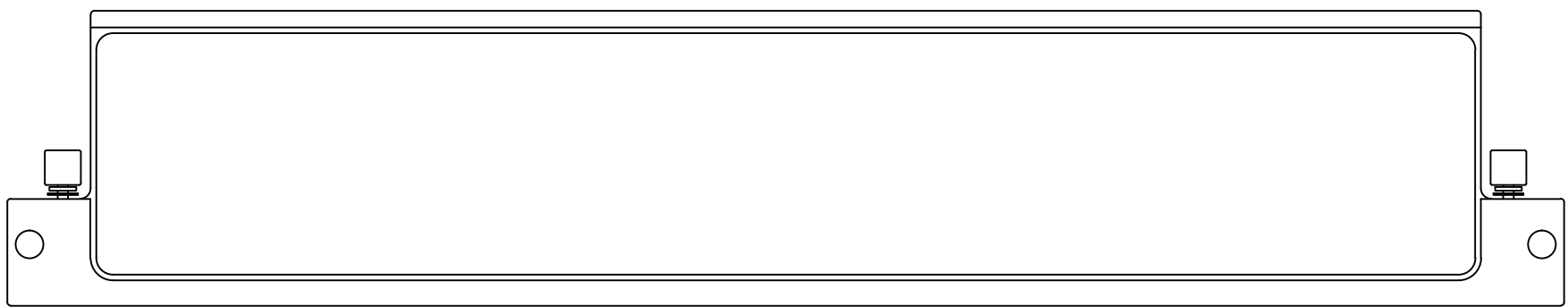
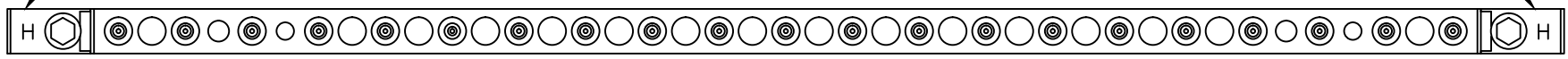
		REVISIONS		
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	SEE ER# 037-20	7/28/20	RRA



Top surface marking

Marking on this side

Marking on this side



AMERICAN MICROWAVE CORPORATION  
FREDERICK, MARYLAND

TITLE  
PRODUCT FEATURE  
MSN-0518-25T-30DB-HERM-2JV

APPROVALS		DATE
DRAWN	RJW	7/8/20
ENG	RRA	7/8/20
QAE	RRA	7/8/20

SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100-9063	A
SCALE N/S			SHEET 2 of 2