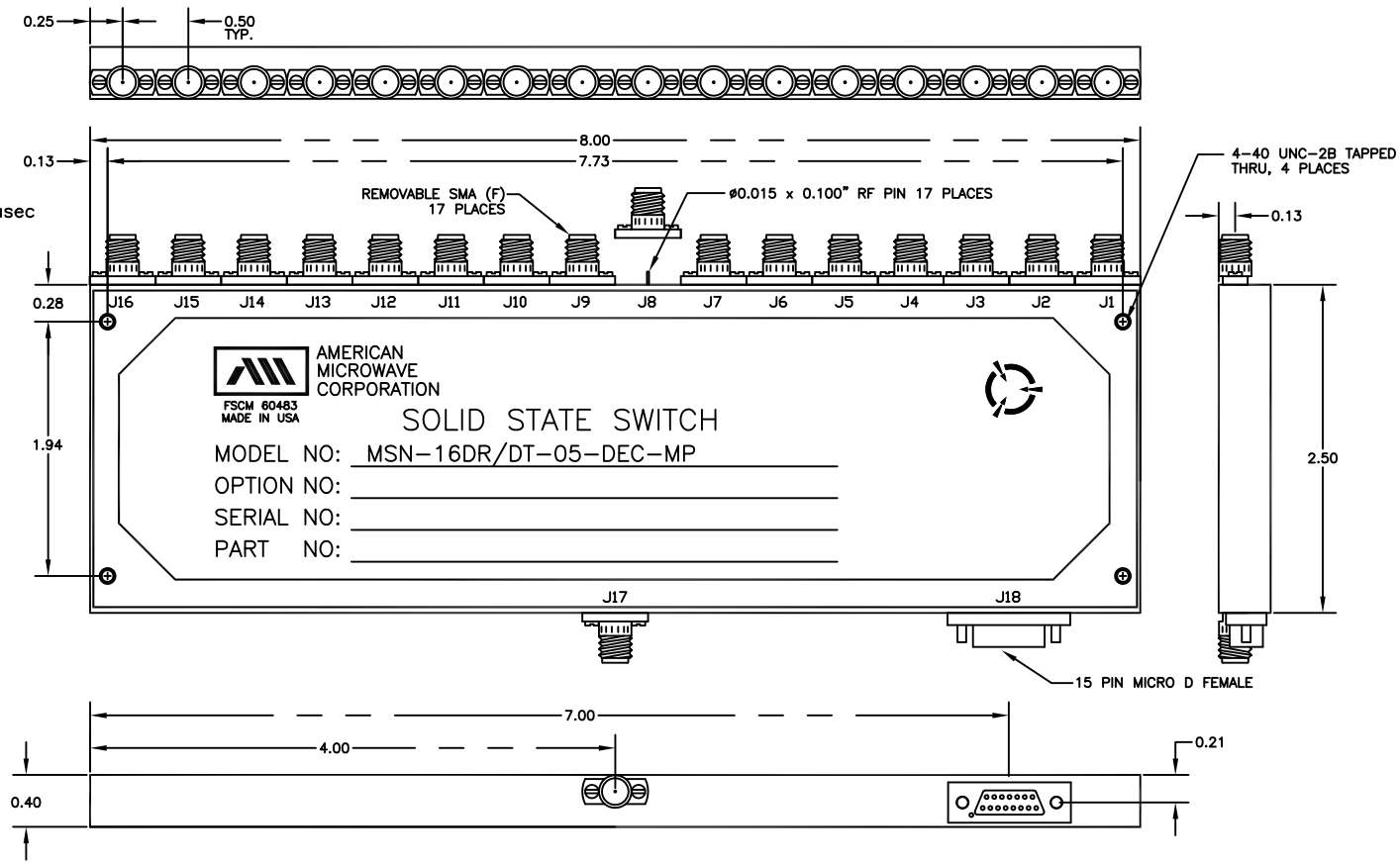
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	SEE ER# 009-10	2/12/10	RA
	B	SEE ECN# 13-007	2/1/13	RA

SPECIFICATIONS:

- FREQUENCY: 0.5 GHz TO 18 GHz
- INSERTION LOSS: REFLECTIVE: 6.5db MAX.
  ABSORPTIVE: 7db MAX.
- ISOLATION: 0.5 GHz TO 18 GHz: 60db
- VSWR: REFLECTIVE IN/OUT: 2.0:1
  ABSORPTIVE IN/OUT: 2.0:1
  ABSORPTIVE OUT/OFF: 2.0:1
- SPEED: RISE: 75ns MAX.
  FALL: 75ns MAX.
  DELAY ON: 200ns MAX.
  DELAY OFF: 200ns MAX.
- POWER INPUT: (CW)+20dBm
- SURVIVAL POWER: 1 WATT CW, 10 WATTS PEAK 1 usec
- CONTROL: SEE LOGIC TABLE
- POWER SUPPLY: +5V @ 750 mA MAX.
  −5V @ 200mA MAX.

STANDARD PIN NUMBERING	
PIN	FUNCTION
1	B0
2	B1
3	B2
4	B3
5	LOW ENABLE (OPTIONAL)
6	HIGH ENABLE (OPTIONAL)
7	RESERVED
8	TEMPERATURE SENSE V (OPTIONAL)
9	POWER DOWN (OPTIONAL)
10	−VS
11	+VS
12	GND
13	−VS
14	+VS
15	GND

LOGIC TABLE				
B3	B2	B1	B0	THRU PATH
0	0	0	0	J17 TO J1
0	0	0	1	J17 TO J2
0	0	1	0	J17 TO J3
0	0	1	1	J17 TO J4
0	1	0	0	J17 TO J5
0	1	0	1	J17 TO J6
0	1	1	0	J17 TO J7
0	1	1	1	J17 TO J8
1	0	0	0	J17 TO J9
1	0	0	1	J17 TO J10
1	0	1	0	J17 TO J11
1	0	1	1	J17 TO J12
1	1	0	0	J17 TO J13
1	1	0	1	J17 TO J14
1	1	1	0	J17 TO J15
1	1	1	1	J17 TO J16



ENVIRONMENTAL RATINGS:

- TEMPERATURE: −40°C TO +85°C (OPERATING)
  −65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION
* Units are designed to meet Environmental ratings but not tested. If Environmental Testing is required, please contact Sales Department.

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

PART NO.	
APPROVALS	DATE
DRAWN K SIMMS	2/12/10
ENG. RA	2/12/10
QAE K SIMMS	2/12/10

AMERICAN MICROWAVE CORPORATION
FREDERICK, MARYLAND

TITLE
OUTLINE DRAWING
MSN-16DR/DT-05-DEC-MP

SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100-7920	B

SCALE N/S SHEET 1 of 1