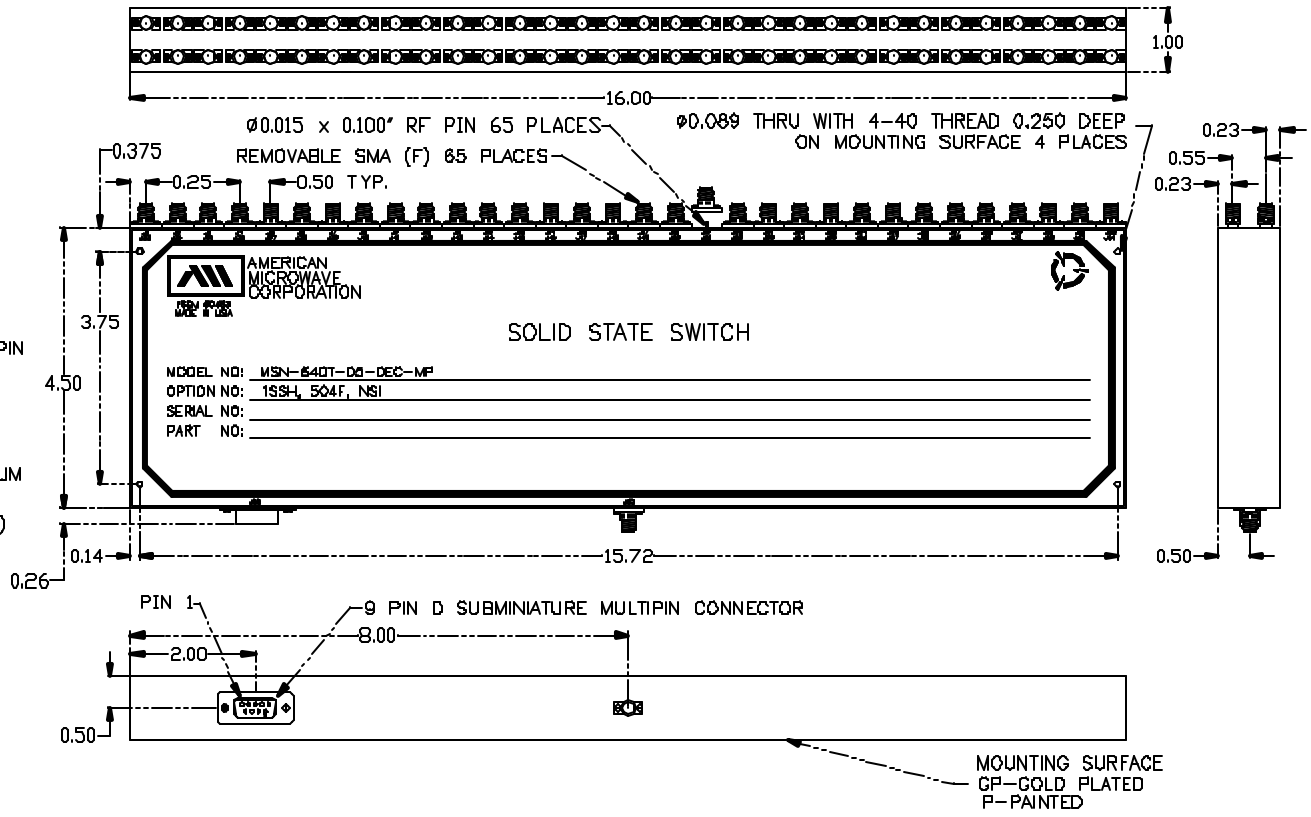
## DESCRIPTION:

AMC MODEL MSN-64DT-05-DEC-MP OPTION 1SSH, 504F, NSI IS A SINGLE POLE SIXTY FOUR THROW, ABSORPTIVE/NON-REFLECTIVE SWITCH MODULE WITH LOW INSERTION LOSS, HIGH ISOLATION, WITH 6 BIT BINARY CONTROL AND INTEGRAL TTL DRIVER, DESIGNED FOR 5.3 TO 5.5 GHz BANDWIDTH.

| REVISIONS | | | | |
|---|---|---|---|---|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | – | ORIGINAL RELEASE | 8/16/99 | |

## SPECIFICATIONS:

- FREQUENCY: ..... 5.3 GHz TO 5.5 GHz
- INSERTION LOSS: ..... 6.0 dB MAXIMUM
- ISOLATION: ..... >40 dB MINIMUM (BETWEEN OUTPUT PORTS)
- VSWR (ANY PORT, ANY STATE): ... 1.5:1 MAXIMUM, 1.3:1 GOAL (OVER FREQUENCY)
- RELATIVE AMPLITUDE VARIATION ... ± 1 dB MAXIMUM OVER OUTPUT PORTS
- SWITCHING TIME: ..... 500 nS MAXIMUM (50% TTL TO 10%/90% RF)
- CONTROL: ..... 6 BIT TTL LOGIC (DECODER)
- CONTROL INTERFACE: ..... 9 PIN SUBMINIATURE D MULTIPIN
- OPERATING RF POWER HANDLING: ..0.2W CW MINIMUM
- OPERATIMG TEMPERATURE: ..... +22°C ±5°C
- RF CONNECTORS: ..... SMA FEMALE
- DC POWER SUPPLY: ..... +5V ±10% @ 1.5 A MAXIMUM
  −5V ±10% @ 200 mA MAXIMUM
- WEIGHT: ..... 90 OUNCES TYPICAL
- SIZE: ..... 16" (L) X 4.5" (W) X 1.0" (H)




| PIN OUT TABLE | |
|---|---|
| PIN NO. | FUNCTION |
| 1 | E1 |
| 2 | E2 |
| 3 | E3 |
| 4 | E4 |
| 5 | E5 |
| 6 | E6 |
| 7 | +V |
| 8 | −V |
| 9 | GND |

NOTE:
DR=WITH DRIVER, REFLECTIVE
DT=WITH DRIVER, NON-REFLECTIVE/ABSORPTIVE

## ENVIRONMENTAL RATINGS:

- TEMPERATURE: ..... +22°C ±5°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

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

| PART NO. | | |
|---|---|---|
| APPROVALS | | DATE |
| DRAWN | WSP | 8/16/99 |
| CHECKED | | |
| ISSUED | | |

AMERICAN MICROWAVE CORPORATION
FREDERICK, MARYLAND

TITLE
PRODUCT FEATURE
MSN-64DT-05-DEC-MP
OPTION 1SSH, 504F, NSI

| SIZE | FSCM NO. | DWG NO. | REV. |
|---|---|---|---|
| A | 60483 | 100-5042 | – |

SCALE N/S SHEET 1 of 1