

## SEM Series

## SP6T / DC-18 GHz



- SMA and N Connector Models
- 7 Models Available from Stock
- Standard Features Include:  
TTL Logic Control, Latching Types,  
Terminated, Normally Open Types

## DC-18 GHz

| MODEL NO.    | FEATURES                                                                                   | ACTUATING CURRENT mA<br>@28 Vdc & 25°C | FREQUENCY RANGE<br>DC-18 GHz     | INSERTION LOSS<br>dB (max) | VSWR (max)                       | ISOLATION<br>dB (min) |
|--------------|--------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------|----------------------------|----------------------------------|-----------------------|
| SEM 066      | SP6T (SMA)<br>NORMALLY OPEN<br>MINIATURE                                                   | 160                                    | DC-3<br>3-8<br>8-12.4<br>12.4-18 | 0.2<br>0.3<br>0.4<br>0.5   | 1.2:1<br>1.3:1<br>1.4:1<br>1.5:1 | 80<br>70<br>60<br>60  |
| SEM163       | SP6T (SMA)<br>NORMALLY OPEN<br>INDICATOR CKT                                               | 140                                    | DC-3<br>3-8<br>8-12.4<br>12.4-18 | 0.2<br>0.3<br>0.4<br>0.5   | 1.2:1<br>1.3:1<br>1.4:1<br>1.5:1 | 80<br>70<br>60<br>60  |
| SEM163D      | SP6T (SMA)<br>NORMALLY OPEN<br>TTL*<br>SUPPRESSION DIODE<br>INDICATOR CKT                  | 140                                    | DC-3<br>3-8<br>8-12.4<br>12.4-18 | 0.2<br>0.3<br>0.4<br>0.5   | 1.2:1<br>1.3:1<br>1.4:1<br>1.5:1 | 80<br>70<br>60<br>60  |
| SEM163T      | SP6T (SMA)<br>NORMALLY OPEN<br>TERMINATED<br>INDICATOR CKT                                 | 140                                    | DC-3<br>3-8<br>8-12.4<br>12.4-18 | 0.2<br>0.3<br>0.4<br>0.5   | 1.2:1<br>1.3:1<br>1.4:1<br>1.5:1 | 80<br>70<br>60<br>60  |
| SEM163DT     | SP6T (SMA)<br>NORMALLY OPEN<br>TERMINATED<br>TTL*<br>SUPPRESSION DIODES<br>INDICATOR CKT   | 140                                    | DC-3<br>3-8<br>8-12.4<br>12.4-18 | 0.2<br>0.3<br>0.4<br>0.5   | 1.2:1<br>1.3:1<br>1.4:1<br>1.5:1 | 80<br>70<br>60<br>60  |
| SEM163LD     | SP6T (SMA)<br>LATCHING<br>TTL*<br>SUPPRESSION DIODE<br>SELF DE-ENERGIZING<br>INDICATOR CKT | 600                                    | DC-3<br>3-8<br>8-12.4<br>12.4-18 | 0.2<br>0.3<br>0.4<br>0.5   | 1.2:1<br>1.3:1<br>1.4:1<br>1.5:1 | 80<br>70<br>60<br>60  |
| SEM163LDT-24 | SP6T (SMA)<br>LATCHING<br>INDICATOR CKT<br>SELF DE-ENERGIZING                              | 250                                    | DC-3<br>3-8<br>8-12.4<br>12.4-18 | 0.2<br>0.3<br>0.4<br>0.5   | 1.2:1<br>1.3:1<br>1.4:1<br>1.5:1 | 80<br>70<br>60<br>60  |

\*APPLIES TO ALL SWITCHES WITH TTL:

1. Selected position of the switch is controlled by TTL logic High
2. Switch required only nominal +28 Vdc for coils (additional 5 Vdc is not required).

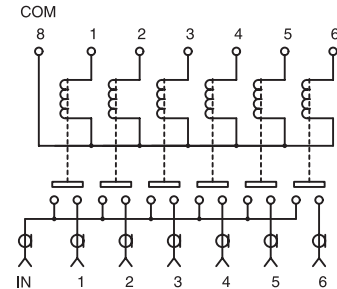
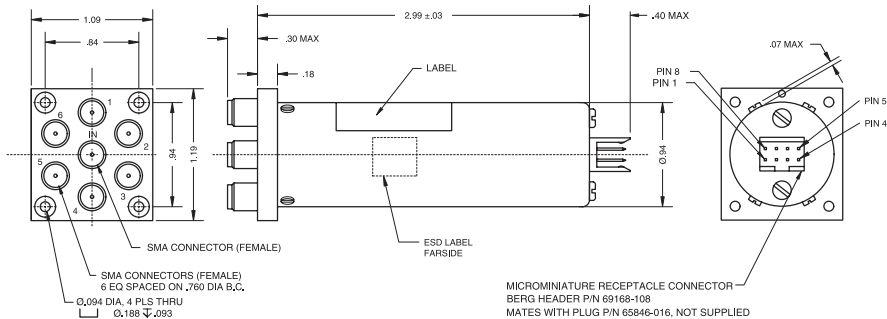
3. TTL Logic Level: Low 0 to 0.8 Vdc High 2.5 to 5.0 Vdc
4. TTL Logic Input Current: Low 0 mA High 1.6 mA max @ 3.85 Vdc



# Stocked Switches — SP6T

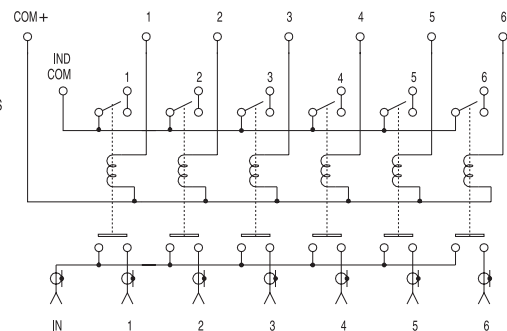
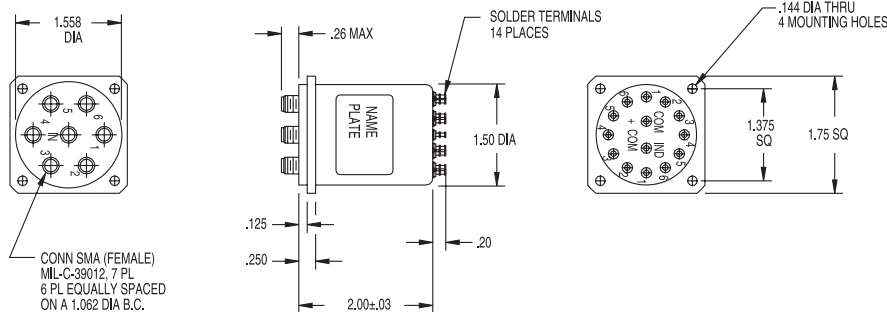
50 Years of  
Excellence

## SEM066



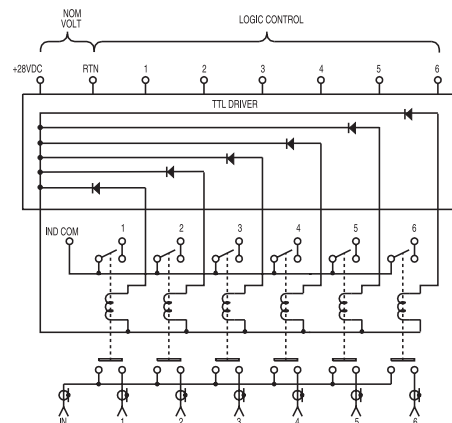
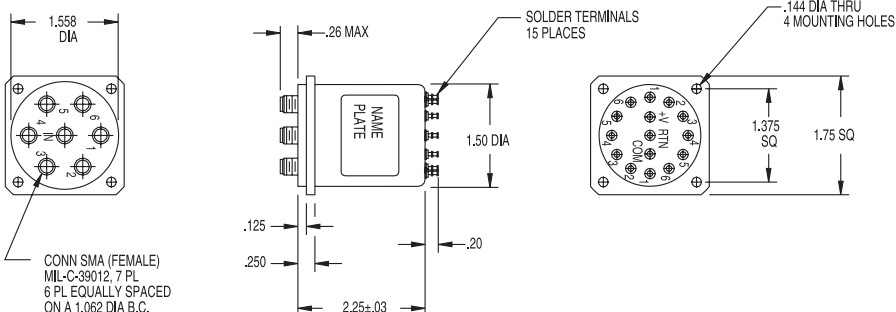
SCHEMATIC SHOWN IN NORMALLY OPEN POSITION

## SEM163



SCHEMATIC SHOWN IN NORMALLY OPEN POSITION

## SEM163D



SCHEMATIC SHOWN IN NORMALLY OPEN POSITION

**narda**

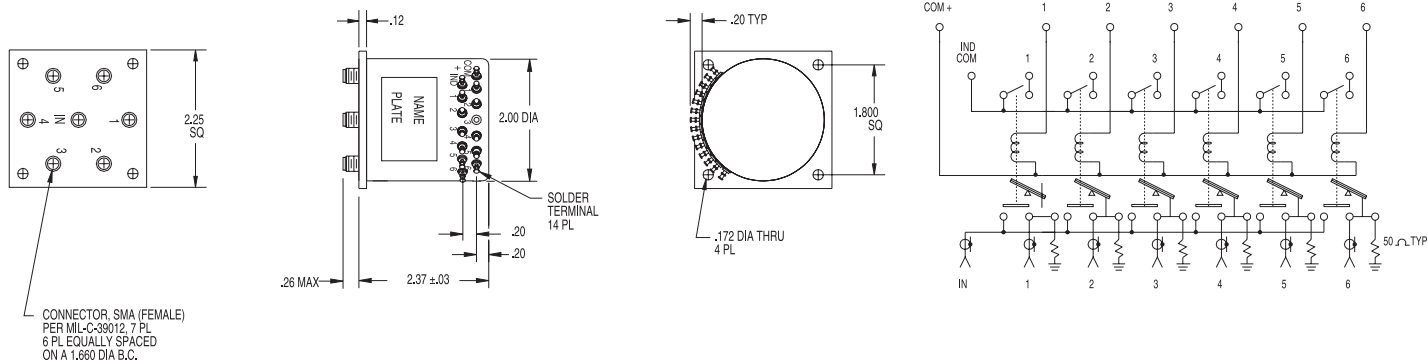
an  communications company

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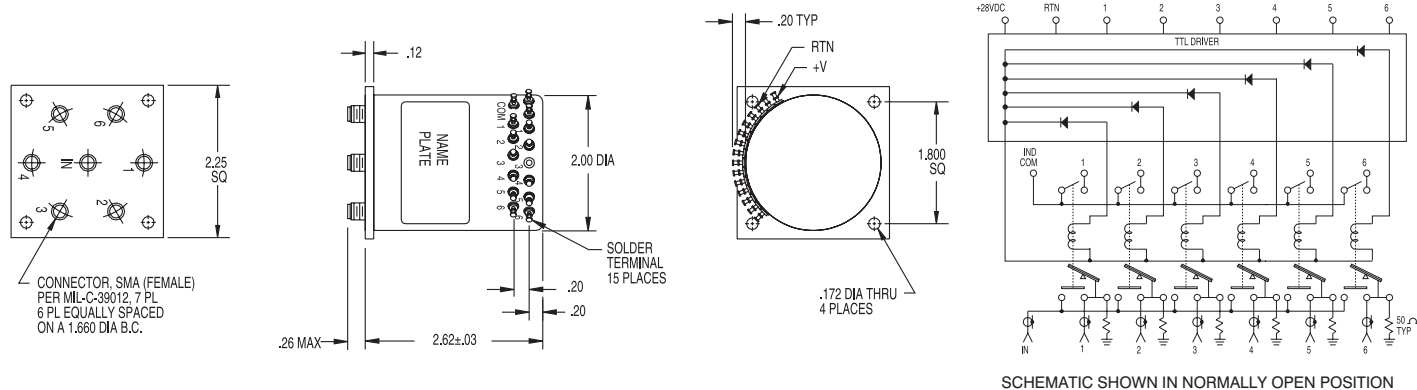
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## Stocked Switches — SP6T

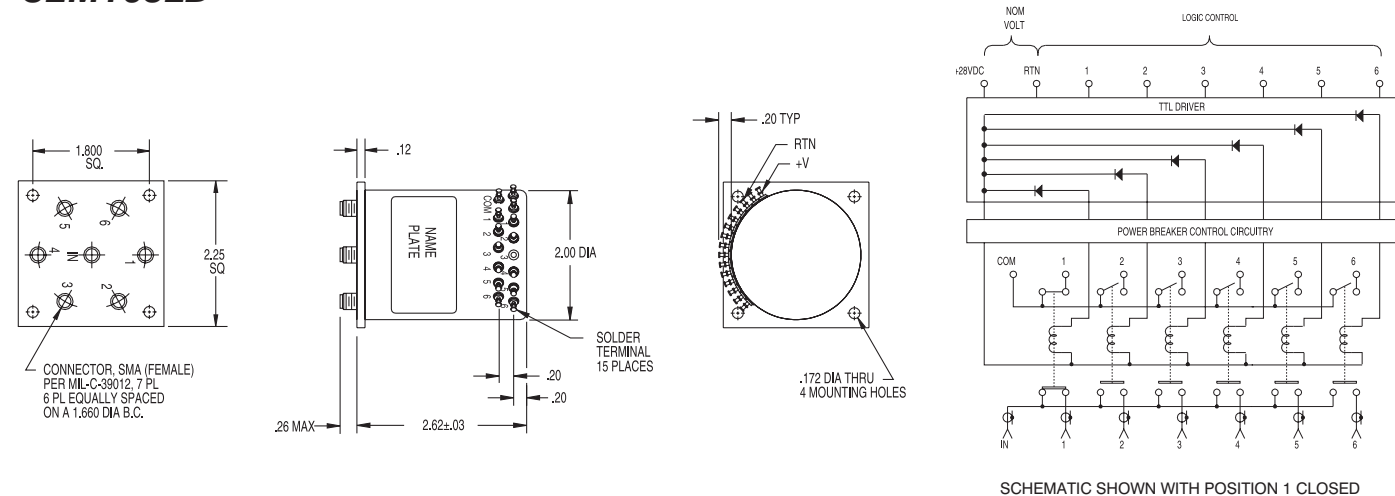
## SEM163T



## SEM163DT



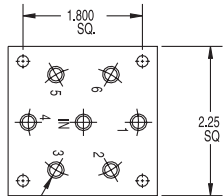
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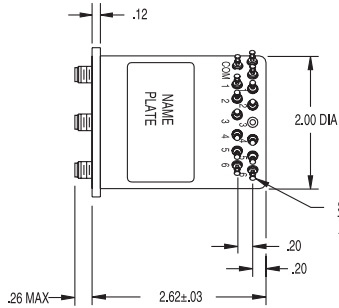
# Stocked Switches — SP6T

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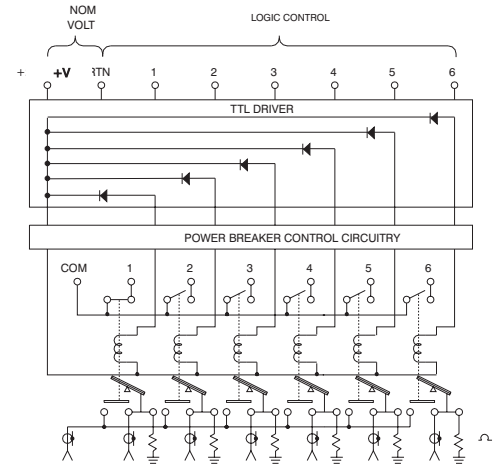
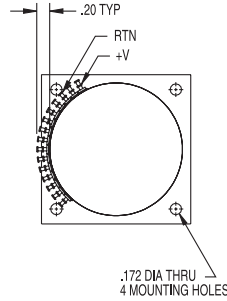
## SEM163LDT-24



CONNECTOR, SMA (FEMALE)  
PER MIL-C-39012, 7 PL  
6 PL EQUALLY SPACED  
ON A 1.660 DIA B.C.



SOLDER  
TERMINAL  
15 PLACES



SCHEMATIC SHOWN WITH POSITION 1 CLOSED

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