

SOSA™ Aligned Products

Features & Benefits

- Conforms to ANSI/VITA and SOSA Standards
- Platform Affordability
- Modular and Configurable

Applications

- Radar
- EO/IR
- SIGINT
- Countermeasure Systems
- EW Suites
- Communications

The Importance of SOSA™ for Embedded Computing Systems

Sensor Open System Architecture (SOSA) is a consortium that seeks to meet the Department of Defense's directive to reduce costly custom solutions with collaboratively designed standard architecture. SOSA helps organize technology standards within the embedded computing systems field into next higher assembly applications. As a contributing member to these standards committees for over a decade, SV Microwave remains a strong partner and contributor for RF interconnects and has ensured that open standards include industry recognized interfaces like SMPM and SMPS.

SOSA members include producers of the smallest sub components all the way to defense industry end users so there is a complete perspective of the technology required. SV Microwave constantly creates new prototypes and validation data to share with committees to ensure the most reliable, cutting edge, and cost effective solutions are available. SV supports the entire RF signal path from sensor/antenna to an optimized board launch footprint with the technical expertise and application knowledge expected from an industry leader.

D38999 I/O SOSA™ Aligned Products

SOSA J8 RF High Density

Size 12 SMPM Pin	
9321-40004	Ø.047"
3221-4002	Ø.086"

Size 12 SMPM Socket	
SF3211-60153	Ø.047"
SF3211-6004	Ø.086"

Platform Umbilical D38999		
D38999/26*J19PN-LC	Class 1&2	Shell 25
D38999/26*G11PN-LC	Class 3	Shell 21

Antenna/Sensor D38999		
D38999/20*J19SN-LC	Class 1&2	Shell 25
D38999/**G11SN-LC	Class 3	Shell 21

SOSA J9 Low Loss RF

Size 8 BMB Pin	
4941-60001	Ø.086" LL
4941-60002	Ø.141"

Size 8 BMB Socket	
4951-60005	Ø.086" LL
4951-60006	Ø.141"

Platform Umbilical D38999		
D38999/26*J8PN-LC	Class 1&2	Shell 25
D38999/26*G75PN-LC	Class 3	Shell 21

Antenna/Sensor D38999		
D38999/**J8SN-LC	Class 1&2	Shell 25
D38999/**G75SN-LC	Class 3	Shell 21

VITA 65 and 67.3 SOSA™ Aligned Products

SMPM

Plug-In Cable Contact

3211-60351	Ø.047"
3211-60350	Ø.086"

Plug-In Modules

PN	V65 Reference	Desc
9311-60220	6.4.5.6.3	10 pos
9311-60221	6.4.5.6.4	14 pos
9311-60221 + 9301-60048	6.4.5.8.7	14 pos + 3MT

Backplane Cable Contact

3221-40071	Ø.047"
3221-40066	Ø.086"

PCB Edge Launch Set

1132-6116	Plug-In Adapter Contact
3290-4002	Bullet (.211")
3211-60035	PCB Edge Launch Male

Backplane Modules

PN	V65 Reference	Desc
SF9321-60059	6.4.5.6.3	10 pos
SF9321-60086	6.4.5.6.4	14 pos
9321-60109	6.4.5.8.7	14 pos + 3MT

SMPS

Plug-In Cable Contact

SF3811-60060	Ø.047"
SF3811-60059	Ø.086"

Plug-In Modules

PN	V65 Reference	Desc
SF9311-60171	6.4.5.6.7	19 pos
SF9311-60171 & 9301-60048	6.4.5.8.8	19 pos +3MT

Backplane Cable Contact

3821-40023	Ø.047"
3821-40024	Ø.086"

PCB Edge Launch Set

SF1138-6020	Plug-In Adapter Contact
1138-4001	Bullet (.098")
3811-40004	PCB Edge Launch Male

Backplane Modules

PN	V65 Reference	Desc
SF9321-60093	6.4.5.6.7	19 pos
9321-60108	6.4.5.8.8	19 pos + 3MT