Aligned with the SOSA™ Technical Standard

SOSA™ Aligned Products

Features & Benefits

- Complies to the Department of Defense directive
- Platform affordability
- Easy-to-repair
- Re-configurability
- Future-proofs and optimizes a designed system

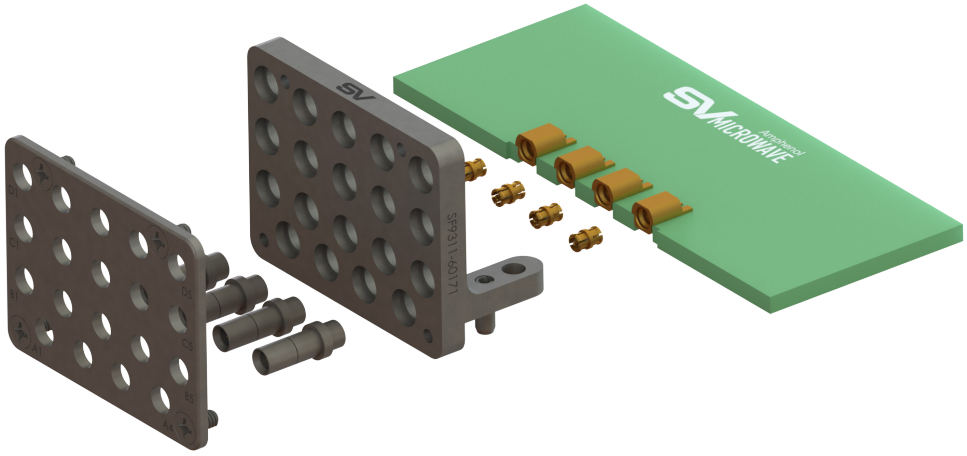
Applications

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

The Importance of SOSA™ for Embedded Computing Systems

Sensor Open System Architecture (SOSA) is a consortium that formed as a result of the Department of Defense's 2013 Procurement Directive, which decreed that all acquisition activity must incorporate Open Systems Architecture principles and practices. SOSA aims to accelerate the deployment of configurable and modular sensor sytems while creating an open architecture that reduces development costs. SV Microwave sits on the _____ and _____ committees.

SV Microwave has been a member of SOSA since 2018, and actively participates and contributes to the VITA 67 and 66 spec. With VITA 67.3, SV continues to increase RF density and bandwidth, while shrinking the overall footprint of a design. Our VITA 66.5 product line achieves further density by combining RF and optical links within the same connector module. Please see page 2 for a complete listing of RF products that are aligned with the SOSA™ technical standard.



This Plug-In Module is aligned with the SOSA™ technical standard and features adapter contacts (SF1138-6020) with SMPS bullets (1138-4001) and SMPS Edge Launch connectors (3285-6001). This module is used to launch the signal directly from the module to the PCB.

Figure 1: Direct Edge Launch Module

Amphenol SV MICROWAVE

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SV Microwave's SOSA™ Aligned Products

Before SV declares a products to be aligned with the SOSA™ technical standard, it must first pass rigorous testing and meet standards validation. WHAT DOES THIS MEAN. WHAT IS THE STANDARD? PLACEHOLDER TEXT TO FIGURE OUT WHAT THIS SENTENCE SHOULD LOOK LIKE.

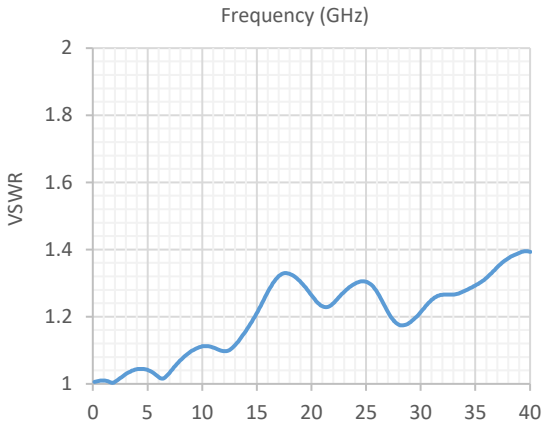

Figure 2
Gated VSWR Plot (typical)

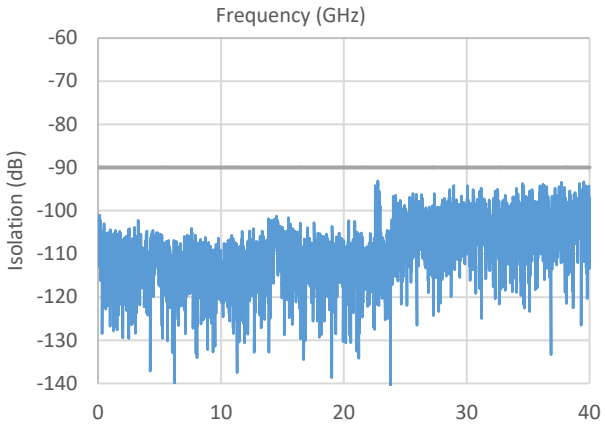

Figure 3
Electrical Isolation Plot (Mated Pair)

Standard SOSA Part Numbers

Part Number	Description	Part Number	Description
9321-40004	Size 12 Pin 38999 SMPM for Ø.047 Cable	SF9321-60086	VITA 67.3 Type C SMPM 14-Port Backplane Module
SF3211-6004	Size 12 Socket 38999 SMPM for Ø.086 Cable	SF9321-60093	VITA 67.3 Type C SMPS 19-Port Backplane Module
SF3211-60153	Size 12 Socket 38999 SMPM for Ø.047 Cable	9311-60221	VITA 67.3 Type C SMPM 14-Port Plug-In Module
1132-6116	VITA 67.3 SMPM Male to Male Plug-In Adapter	SF9311-60171	VITA 67.3 Type C SMPS 19-Port Plug-In Module
3211-60350	VITA 67.3 SMPM Plug-In Male Contact for Ø.086 Cable	3211-60035	VITA 67.3 SMPM Male Edge Launch Connector (SB)
3211-60351	VITA 67.3 SMPM Plug-In Male Contact for Ø.047 Cable	3811-40003	VITA 67.3 SMPS Male Edge Launch Connector (FD)
SF1138-6020	VITA 67.3 SMPS Male to Male Plug-In Adapter	3221-40066	VITA 67.3 SMPM Backplane Contact for Ø.086 Cable
SF3811-60059	VITA 67.3 SMPS Plug-In Male Contact for Ø.086 Cable	3221-40071	VITA 67.3 SMPM Backplane Contact for Ø.047 Cable
SF3811-60060	VITA 67.3 SMPS Plug-In Male Contact for Ø.047 Cable	3821-40023	VITA 67.3 SMPS Backplane Contact for Ø.047 Cable
1138-4001	VITA 67.3 SMPS Female to Female Bullet (OAL .098")	3821-40024	VITA 67.3 SMPS Backplane Contact for Ø.086 Cable
3290-4002	VITA 67.3 SMPM Female to Female Bullet (OAL .211")	3221-4002	Size 12 Pin 38999 SMPM for Ø.086 Cable

Figure 4: P/N 3821-40024

Figure 5: P/N SF9321-60086

Contact sales at marketing@svmicro.com to get started on your custom configurations.

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