

AUTHORIZED DISTRIBUTOR

EAST COAST MICROWAVE INTRODUCES VITA NANO-RF MODULE CABLE ASSEMBLIES

HIGH FREQUENCY NANOMINIATURE COAX **CABLE ASSEMBLIES** WITH HIGH DENSITY MODULAR PACKAGING, DESIGNED FOR EXTREME RUGGED ENVIRONMENTS

A **HIGHER DENSITY** RF COAX MODULE, **TWICE THE DENSITY OF VITA 67** SMPM RF MODULES USED IN VPX EMBEDDED COMPUTING APPLICATIONS. HALF AND FULL SIZE MODULE SIZES CAN RETAIN UP TO **12 OR 18+ RF CONTACTS**, WITH OPTIONS FOR **CUSTOMIZING CONTACT COUNT AND POSITION**.

THE INTERFACE FEATURES A **FLOATING INSERT** TO PRE-ALIGN RF CONTACTS BEFORE ENGAGEMENT. RADIAL AND AXIAL CONTACT FLOAT ASSURES FINAL ALIGNMENT OF THE CONTACTS AND **KEEPS THE CONTACTS FULLY ENGAGED**.

BENEFITS

LIGHTER WEIGHT

- SMALL CONTACT SIZE WITH HIGHER RF CONTACT DENSITY
- ALUMINUM MODULES AVAILABLE FOR WEIGHT REDUCTION

MODULAR

- BLIND-MATEABLE FLOAT-MOUNTED BACKPLANE CONTACTS FOR MODULE-TO-MODULE OR BOX-TO-BOX ARCHITECTURE
 - MULTIPLE CABLE TYPES TO FIT APPLICATION REQUIREMENTS
- DESIGNED FOR .047 INCH COAX CABLE**

RELIABLE

- LOW LOSS & EXCELLENT ISOLATION FOR SIGNAL INTEGRITY
- TE TESTED TO VIBRATION REQUIREMENTS PER VITA 72

MARKETS

- MILITARY ELECTRONICS
- C4ISR
- ELECTRONIC WARFARE (EW)

APPLICATIONS

- EMBEDDED COMPUTING - VPX MODULES AND RADAR PROCESSING

MECHANICAL

- SUPPORTS AS LOW AS 0.110 INCH CONTACT PITCH
- FITS IN VPX SYSTEMS PACKAGING REQUIREMENTS
- 500 MATING CYCLES

ELECTRICAL

- EXCELLENT RF PERFORMANCE THROUGH 60 GHZ
- ISOLATION MINIMUM 100 DB UP THROUGH 27 GHZ
- TEMPERATURE RATING: -65°C TO +120°C

PRODUCT INFORMATION

BACKPLANE

MODULE SIZE	MATERIAL	POS	PART NO.
HALF MODULE	ST STEEL	8	2828434-1
HALF MODULE	ALUMINUM	8	2828434-2
HALF MODULE	ST STEEL	12	2313228-1
HALF MODULE	ALUMINUM	12	2313228-2
HALF MODULE (V67.3D)	ST STEEL	12	2313376-1
HALF MODULE (V67.3D)	ALUMINUM	12	2313376-2
FULL MODULE	ST STEEL	16	2828395-1
FULL MODULE	ALUMINUM	16	2828395-2
FULL MODULE	ST STEEL	18	2322337-1
FULL MODULE	ALUMINUM	18	2322337-2

DAUGHTERCARD

MODULE SIZE	MATERIAL	POS	PART NO.
HALF MODULE	ST STEEL	8	2828431-1
HALF MODULE	ALUMINUM	8	2828431-2
HALF MODULE	ST STEEL	12	2313225-1
HALF MODULE	ALUMINUM	12	2313225-2
FULL MODULE	ST STEEL	16	2828392-1
FULL MODULE	ALUMINUM	16	2828392-2
FULL MODULE	ST STEEL	18	2322335-1
FULL MODULE	ALUMINUM	18	2322335-2

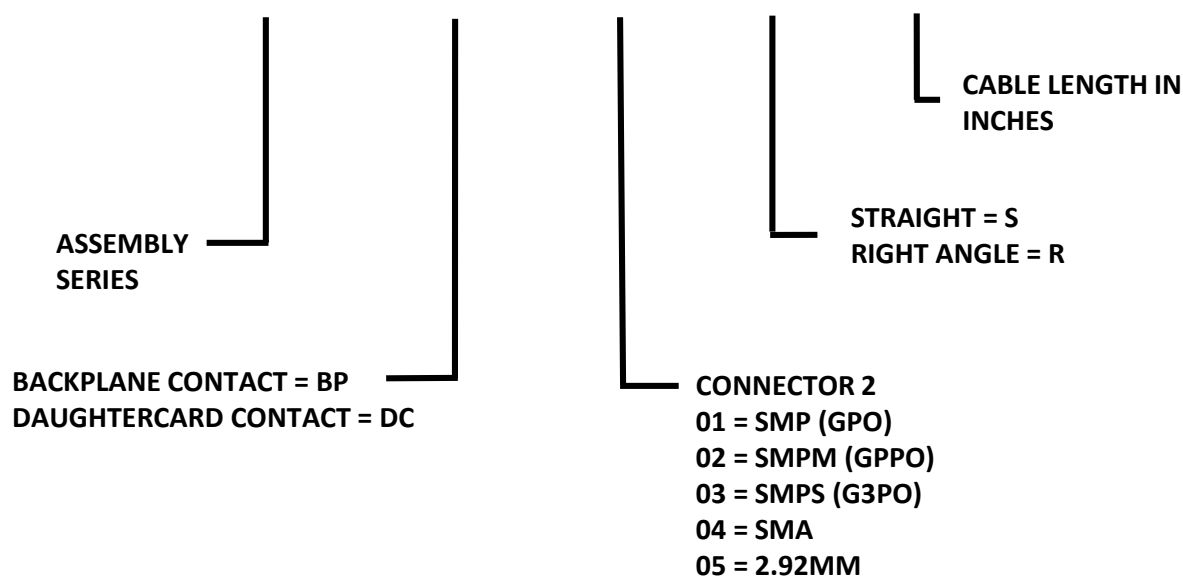
BACKPLANE CONTACT KIT	2302345-1
DAUGHTERCARD CONTACT KIT	2302339-1

PRODUCT INFORMATION

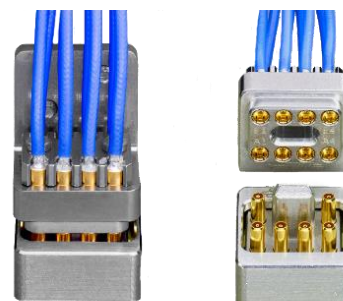
- CABLE ASSEMBLIES AVAILABLE FOR 8, 12, 16 & 18 POSITION VITA NANO-RF MODULES
- ALL CABLE ASSEMBLIES BUILT WITH .047 FLEXIBLE LOW LOSS CABLE
- MULTIPLE CONNECTOR OPTIONS AVAILABLE

HOW TO ORDER YOUR VITA NANO RF CABLE ASSEMBLY

VNRF - XX - XX - X - XX



EAST COAST MICROWAVE CAN ALSO **LOAD** YOUR CABLE ASSEMBLIES DIRECTLY INTO THE TE MODULE BLOCKS, PROVIDING YOU WITH A **“ONE-STOP”** COMPLETE CUSTOM SOLUTION.



ABOUT EAST COAST MICROWAVE SALES & DISTRIBUTION LLC

FOUNDED IN 1988, ECM IS LEADER IN MICRO-MINUTURE CABLE ASSEMBLIES. AN AS9100 REV C & AS9120 REV A - ISO 9001: 2008 CERTIFIED SMALL BUSINESS AND A FRANCHISED STOCKING DISTRIBUTOR OF TE AS WELL AS OVER THIRTY TWO WORLD CLASS MANUFACTURERS OF RF/MICROWAVE COAXIAL CONNECTORS, CABLES, CABLE ASSEMBLIES AND COMPONENTS

EAST COAST MICROWAVE SALES & DISTRIBUTION LLC

70 TOWER OFFICE PARK, WOBURN MA 01801

PHONE: 1-800-STOCKROOM (800-786-2576): FAX: 1-781-279-9034

WWW.ECMSTOCKROOM.COM