

DESIGN NAVIGATOR

PRODUCT CATEGORY	APPLICATIONS			Maximum Current Rating	Maximum Voltage Rating	Temperature Range (°C)	Protection from EMI/RFI Noise	Durable in Harsh Environments	Space Saving Design	Wire-to-Wire	Wire-to-Board	Board-to-Board
	Consumer / Recreational	Military	Commercial									
CAMERA VIDEO	1	2	3									
High Sensitivity Piezo Film Sensor Contact Microphone	●	●	●	N/A	N/A	+5 to 60	●	●	●			
SD Card Slot (Push Push)	●			0.5	30AC	-25 to 85	●	●	●			
COMMUNICATIONS												
Board Level Shielding	●		●	N/A	N/A	Withstands reflow and solder temperature	●		●			
Microminiature RF Antenna	●		●	1	30	-30 to 85	●		●			
Ultraminiature Coax Connector & Cable Assembly Series	●	●		N/A	60	-40 to 90			●		●	
MMCX Microminiature Snap-On Connector Series	●	●		N/A	170	-55 to 155		●	●		●	●
Standard Antenna	●		●	N/A	N/A	-40 to 85		●	●			
Switching Coax Connector	●		●	N/A	N/A	-40 to 85	●	●	●			
Multi-position Backplane RF Module		●		varies	200	-55 to 105	●	●	●	●	●	●
Raychem Cheminax Cable	●	●	●	N/A	300	-65 to 200	●	●	●			
Fine Pitch Board-to-Board Connector	●		●	0.3 per PN	50V	-40 to 85			●			●
High Performance Interconnect Wire-to-Board	●		●	1-3	250V	-25 to 105					●	
M.2 Board-to-Board Connector	●		●	0.5A (per pin)	50VAC (per pin)	-40 to 80			●			●
COMPUTING												
AMP CT and Mini CT Connector	●		●	1 to 4	125	-40 to 105			●	●	●	
CeeLok FAS-T Nano Connector		●		1 amp/contact	500	Max. 125	●	●	●	●	●	
CeeLok FAS-X Connector		●		5A/contact	1500	Max. 175	●	●	●	●	●	
Inverted Thru Board Interconnect	●			7	600	-40 to 105					●	●
Fortis Zd Connector		●		1.5A/contact	250	-65 to 125	●	●	●			●
Flat Flexible Cable (FFC)	●		●	1	50	-40 to 85			●	●	●	
Board-to-Flexible Printed Circuit Connector	●		●	0.3 per PN	30V	-55 to 85	●		●			●
Flexible Printed Cable (FPC)	●		●	1	200AC	-40 to 85			●	●	●	
Free Height Board-to-Board Connector	●		●	0.5	100AC	-40 to 85	●		●			●
IDC Connector	●	●	●	20	250	-40 to 110	●	●	●	●	●	
Mezalog Mezzanine Connectors (VITA 61)		●		1.5A/contact	250	-55 to 125		●	●			●
Micro-MaTch Connector	●	●	●	1.5A	100	-40 to 105		●	●		●	●
MULTIGIG RT 2-R (VITA 46 VPX) Connector		●		1.0 A/signal contact 11 A/ power wafer contact	200	-55 to 125		●	●			●
AMP-LATCH Ribbon Cable Connector	●		●	1	250	-65 to 105		●			●	
SD Card Slot (Push Push)	●			0.5	30AC	-25 to 85	●	●	●			
SIM Card Slot (Push Push)	●		●	1	30	-30 to 85	●		●			
Spring Finger	●	●	●	4	50V	-40 to 85	●	●	●			●
DDR3 Socket	●		●	Signal application only	25 volts AC	-55 to 155			●			●
DDR4 Socket	●		●	0.75	25 volts AC	-55 to 105			●			●
LGA Socket	●		●	0.5	12	-25 to 100			●			●
PGA Socket	●		●	3	1000	-55 to 105			●			●
Micro MATE-N-LOK Connector	●		●	5	250	-40 to 150			●	●	●	
MOTOR												
High Performance Interconnect Wire-to-Board	●		●	1-3	250V	-25 to 105					●	
Remote Input/Output Terminal System (RITS) Connector	●	●		3A	32V	-30 to 75			●	●	●	
AMPLIVAR Terminals & Splices	●		●	N/A	N/A	-65 to 150			●	●		
MAG-MATE Terminals	●		●	N/A	N/A	-65 to 150			●	●	●	
POWER TRIPLE LOCK Connector	●		●	20	600	-55 to 105 HT ISO		●		●	●	
Power Key Connector	●		●	10	300	-30 to 105			●		●	
Economy Power II Connector	●		●	11	250 VAC 600 VAC	-25 to 105					●	
Power Double Lock Connector	●		●	14	300	-30 to 150			●	●	●	
POWER & SWITCHING												
Mobile Battery	●			5	250	-30 to 70		●	●			●
PC Battery	●		●	15	250	-30 to 70		●	●			●
USB Type-C Connector	●	●	●	5	20	-30 to 85	●	●	●		●	
CII AC and DC Mil-Aero Relays		●		5-50	230VAC 28VDC	-70 to 125	●	●	●			
Hartman Contactor		●		varies	230VAC	-55 to 71	●	●	●			
Kilovac High Voltage Relay		●		600	1000VDC	-55 to 85	●	●	●			
K Series Contactor		●		600	28VDC	-55 to 85	●	●	●			
Aluminum and Phenolic Knobs	●	●	●	N/A	N/A	N/A		●				
USB Connector	●			2	30	-55 to 85	●	●	●		●	
Micro USB Connector	●			1.8	30	-55 to 85	●	●	●		●	
Rectangular DC Jack Connector	●	●	●	10.7	25	-40 to 85	●	●	●		●	
DIP Switches	●	●	●	100mA	24VDC	-30 to 85		●	●		●	
Tactile Switches	●	●	●	50mA	24VDC	-35 to 105		●	●			●
Toggle Switches	●	●	●	20	250AC/DC	-30 to 85				●	●	●
LIGHTING												
IDC SSL Connector	●	●	●	8	400	-40 to 105		●	●		●	
High Performance Interconnect Wire-to-Board Connector	●		●	1-3	250V	-25 to 105					●	
Miniature Hermaphroditic Blade and Receptacle Connectors	●		●	3	300	-40 to 105		●	●			●
Modular Releasable Poke-In Connector	●	●	●	5-9A	400	-40 to 125			●		●	

PRODUCT CATEGORY

APPLICATIONS

Consumer /
Recreational

Military

Commercial

Maximum Current
Rating

Maximum Voltage
Rating

Temperature
Range (°C)

Protection from
EMI/RFI Noise

Durable in Harsh
Environments

Space Saving
Design

Wire-to-Wire

Wire-to-Board

Board-to-Board

SENSING

	1	2	3									
Magnetic Encoder - 12C OR Analog		●		10-30	3-5.5	-25 to 85		●	●			
Altimeter - MS5607-02BA	●	●	●	N/A	N/A	-40 to 85		●	●			
Altimeter - MS5611-01BS	●	●	●	N/A	N/A	-40 to 85		●	●			
Altimeter - MS8607-02BA01	●	●	●	N/A	N/A	-40 to 85		●	●			
Altimeter - MS5637-02BA03	●	●	●	N/A	N/A	-40 to 85			●			
HTU21D Humidity Temp Sensor		●	●	N/A	N/A	-40 to 125		●	●			
TSYS02P Digital Temp Sensor		●	●	N/A	N/A	-40 to 125		●	●			
Rotary Displacement Sensor		●	●	N/A	N/A	-40 to 125		●				
Linear Displacement Sensor		●	●	N/A	N/A	-40 to 125		●				
Thermopile Sensor		●	●	N/A	N/A	-20 to 300						
MS5525DSO Pressure Sensor		●		N/A	N/A	-40 to 125			●			
IS Rated Submersible Transducer		●		N/A	N/A	-40 to 80	●	●	●			
PLCD Position Sensors		●		N/A	N/A	Max. 150C		●				
Wheel Speed Sensors		●		N/A	N/A	-40 to 125		●				
Liquid Level Switches		●		N/A	N/A	-40 to 125		●				
FN1010 Force Load Cell		●		N/A	N/A	-20 to 80						
RVDT Position Sensor		●		N/A	N/A	-40 to 150	●	●				
LVDT Position Sensor		●		N/A	N/A	-20 to 150		●				
16mm Digital Output Pressure Sensor		●		N/A	N/A	-40 to 125						
Precision Aligned Triaxial DC Accelerometer		●		N/A	N/A	-40 to 85		●	●			
Charge Mode Accelerometer		●		N/A	N/A	-54 to 300		●				
EPRB-1 Miniature Pressure Transducer		●		N/A	N/A	-40 to 150		●	●			
MS4515 Pressure Transducer		●		N/A	N/A	-10 to 85		●	●			
MS4525 Pressure Transducer		●		N/A	N/A	-25 to 105		●	●			
NTC Thermistor Sensor		●		N/A	N/A	-40 to 150						
Thin Film Temperature Sensor		●		N/A	N/A	-50 to 600		●	●			
M12 Position Sensor		●		N/A	N/A	-55 to 150	●	●	●			
MS5212-HM Pressure Sensor	●	●	●	N/A	N/A	-40 to 125		●	●			

INTERCONNECT

Raychem Adapters		●		varies	varies	varies	●	●		●	●	
Polamco Rectangular		●		varies	varies	varies	●	●		●	●	
Raychem HexaShield EMI Adapters		●		varies	varies	varies	●	●		●	●	
Tinel-Lock		●		varies	varies	varies	●	●		●	●	
Heat Shrinkable Molded Parts	●	●	●	varies	varies	up to 200	●	●	●			
Military Grade Heat Shrink Tubing	●	●	●	varies	varies	up to 200		●	●			
High-Speed Copper Cable	●	●	●	N/A	300	-65 to 200	●	●	●			
Strato-Therm Terminals		●		varies	varies	up to 649		●		●	●	
PIDG Terminals or Terminals and Disconnects (Military)		●		varies	300	up to 105		●		●	●	
SolderSleeve Shield Terminator		●		varies	2kVrms	-55 to 260		●	●	●	●	
DEUTSCH DBAS Series Connector		●		varies	2300V	-55 to 200	●	●				
DEUTSCH Wildcat Connector Series		●		3-5A	1000	-65 to 175	●	●	●	●	●	
DEUTSCH 38999 Connector		●		23 amps	1250VDC 900Vrms	-65 to 200	●	●	●	●	●	
DEUTSCH 369 Connector		●	●	5A	1500	-55 to 175		●	●	●	●	
DEUTSCH CTJ AS 81714 Series II		●		138	1500	-65 to 200		●	●		●	
DEUTSCH DMC Connector		●		90	1500	-55 to 175	●	●	●	●	●	
DEUTSCH ABC Plated and In-Line Connector		●		600	5-400A	-65 to 175	●	●			●	
Raychem SHF-60 Power Cable	●	●	●	N/A	1000	-60 to 260		●	●			
82 Wire Flexline		●		varies	600	-65 to 200		●	●			
Identification Products	●	●	●	N/A	N/A	-55 to 125		●				
Raychem SPEC 55 Wire and Cable		●		varies	1000	-65 to 200		●	●			
Heat Shrink Tubing - Single Wall	●	●	●	N/A	N/A	-30 to 135		●	●			
Mil-spec 1553 Databus		●		Digital signal meets Mil Std 1553b	Digital signal meets Mil Std 1553b	150	●	●	●		●	
ZHD Labels	●	●	●	N/A	N/A	-55 to 125		●				
39029 Military Grade Contacts		●		varies	2kVrms	150	●	●	●			
AMPLIMITE Military Subminiature D Connector	●	●	●	5	250	-55 to 125		●			●	●
TTP Labels	●			N/A	N/A	-55 to 125						
DEUTSCH Autosport Connector	●	●		3-20	750-1800	-55 to 175		●	●	●	●	
Heat Shrink Tubing - Dual Wall	●	●	●	N/A	N/A	-40 to 110		●	●			
AMPMODU 50/50 Grid Connector Family	●	●	●	0.5 amps per contact	30AC	-65 to 105			●		●	●
AMPMODU System 50 Connector Family	●	●	●	0.5 to 1 amp per contact	30AC	-65 to 105			●		●	●
AMPMODU Mod II Breakaway Header	●	●	●	3 amps	250AC	-65 to 105					●	●
AMPMODU MTE Connector	●	●	●	3 amps	267AC	-65 to 105				●	●	
Braid / TFIT Kits	●	●	●	varies	varies	up to 150	●	●	●			
Custom Design Multicore Cables	●	●	●	N/A	3600	-65 to 200	●	●	●			