

# AUTONOMOUS VEHICLES & UNMANNED SYSTEMS FOR **MILITARY AND COMMERCIAL**

Samtec's Micro Rugged, Power, High Data Rate cable and RF interconnects meet the specifications for use in unmanned systems and sub-systems

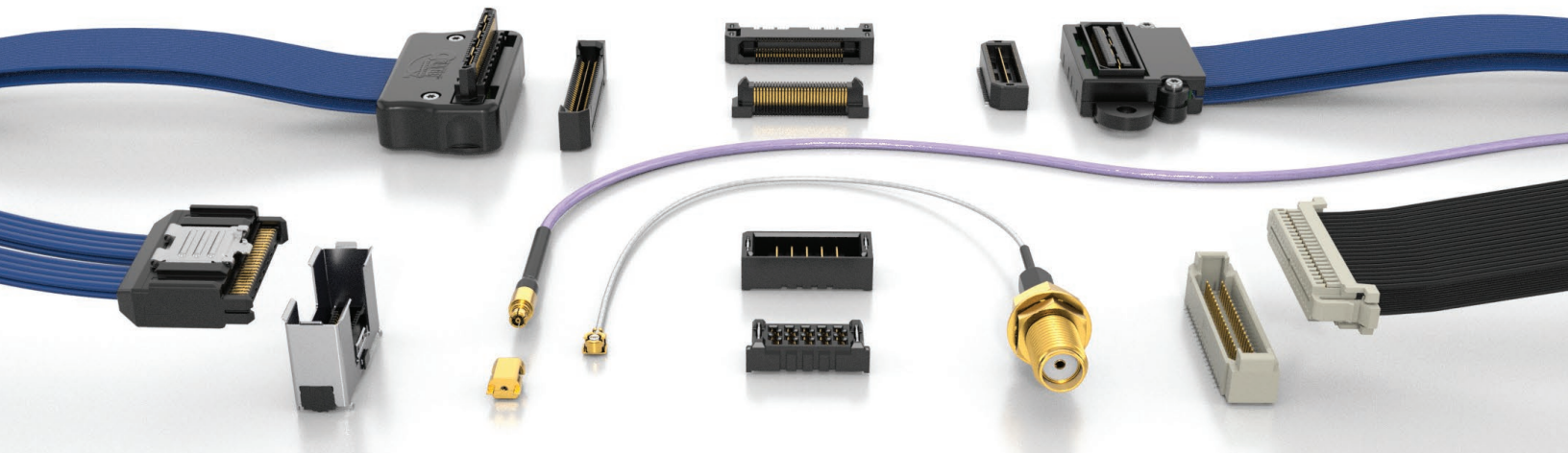
## APPLICATIONS INCLUDE:

- Aerial and surface vehicles
- Lasers for radar controlled and hand held devices
- Microwave switches and RF filters
- Embedded systems for standard or high-speed stacking, PC-104™ standards

## OPTIONS INCLUDE:

- Mated heights from 2 mm to 20 mm
- Mated weights starting at 0.1275g
- Power ratings from 0.9 A to 67.4 A

 **INTERNAL** **POWER** **RF** **HIGH DATA RATE CABLE**



	SERIES	SIZE	WEIGHT**	And POWER
Internal Connections	SS4 / ST4	0.40 mm	0.2035g	1.6 A per pin (2 pins powered)
	SS5 / ST5	0.50 mm	0.2486g	1.6 A per pin (2 pins powered)
	LSHM-DV	0.50 mm	0.28g	2.0 A per pin (2 adjacent pins powered)
	LSHM-DH	0.50 mm	0.582g	1.9 A per pin (2 adjacent pins powered)
	TLH / SLH	0.50 mm	0.1544g	2.1 A per pin (2 pins powered)
	LTH / SLH	0.50 mm	0.63118g	2.6 A per pin (2 pins powered)
	ERF5 / ERM5	0.50 mm	0.4076g	2.2 A per pin (2 pins powered)
	S1SS(T) / T1M	1.00 mm	0.2117g	3.3 A per pin (1 pins powered)
	S1SD(T) / T1M	1.00 mm	0.6161g	3.3 A per pin (2 pins powered)
	T1SS(T) / S1SS(T)	1.00 mm	0.2993g	2.7 A per pin (1 pins powered)
	T1SD(T) / S1SD(T)	1.00 mm	0.4992g	2.7 A per pin (1 pins powered)
	SFSS(T) / TFM	1.27 mm	0.5542g	2.9 A per pin (2 pins powered)
	SFSD(T) / TFM	1.27 mm	0.9949g	2.9 A per pin (2 pins powered)
	S2SD(T) / T2M	2.00 mm	2.477g	3.8 A per pin (2 pins powered)
MCR / MCP	N/A	66.2572g	3.4 A per pin (1 adjacent pins powered)	
Power	UMPT / UMPS	2.00 mm	1.2185g	12 A to 15 A Per Pin (4 pins powered)
	ET60T / ET60S	2.54 mm	16.74g	67.4 A per pin (1 adjacent pins powered)
	MMSS(T) / IPL1	2.54 mm	0.9986g	Wire Gauge 20 (4.8 A) to 30 (2.1 A) (2 pins powered)
	MMSD(T) / IPL1	2.54 mm	1.4272g	Wire Gauge 20 (4.8 A) to 30 (2.1 A) (2 pins powered)
	UPT / UPS	3.81 mm	1.6797g	1 Pin (23 A) to 8 Pins (14 A)
	PMSS(T) / IPBT	4.19 mm	2.2g	Wire Gauge 16 (10.3 A) to 24 (5.2 A) (2 pins powered)
	PMSD(T) / IPBT	4.19 mm	4.204g	Wire Gauge 16 (10.3 A) to 24 (5.2 A) (2 pins powered)
	MPSS / MPT	5.00 mm	7.5583g	Wire Gauge 14 (19.7 A) & 16 (15.9 A) (1 pins powered)
MPT / MPS	5.00 mm	4.5752g	1 Pin (28.8 A) to 8 Pins (18.5 A)	
RF	RSP-122811-01 (U.FL) Cables: RF047 -11RP9 (HMHF1) or MH081 - MH1RP (MHF1 Type)		0.1796g	N/A
	RSP-122811-02 (W.FL) Cable: MH081 - MH3RP (MHF3 Type)		0.1275g	N/A
	RSP-122811-03 Cable: MH081 - MH4RP (MHF4 Type)		N/A	N/A
	SMP Cable: RF25S - 00RJ7		N/A	N/A
	SMPM Cable: RF047-2		N/A	N/A
HDR Cable	HLCD / LSHM	0.5 mm	8.0741g	0.9 A Per Pin (2 Pins Powered)
	HQCD / QSH	0.5 mm	11.3171g	300 mA Per Pin
	HQDP / QSH-DP	0.5 mm	15.555g	400 mA Per Pin (6 Adjacent Pins Powered)
	ARF6 / ARC6	0.635 mm	4.5609g	1.24 A Per Pin (2 Pins Powered)

\*\* Weights shown are at lightest mated weight

For more information please visit [www.powell.com](http://www.powell.com)

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