

## M12 SMT Connectors – Two-piece Connectors Designed For PCBs to Reduce Mounting Costs



Amphenol LTW (ALTW) presents M12 SMT (Surface Mount Technology) connectors. ALTW's M12 SMT connectors are two-piece connectors, designed for PCBs that can be equipped on both sides and do not have via holes for the connection pins, making it cost-effective by reducing the printed circuit board surface area.

ALTW's M12 SMT connectors are designed for waterproof protection in accordance with IP65 & IP68 standards. They are also UL 2238 and IEC 61076-2-101 compliant, offering a secure and stable data as well as superior power transmission performance.

With packaging available for automated pick and place assembly, ALTW's M12 SMT connectors provide the right solution for your various interconnection needs that meet the requirements of numerous field applications.

### Applications :



Industrial Automation



Broadband Wireless Access



IP CCTV & Security



MRT / Railway



Marine

### Specifications :

Number of Positions	A Code: 4, 5 & 8 Pin B Code: 5 Pin D Code: 4 Pin	Vibration	10 ~ 500Hz, 5G
Current Rating	4 Pin: 5A (IEC: 4A) 5 Pin: 5A (IEC: 4A) 8 Pin: 2A	Insertion Force	4 & 5 Pin: 10N (1.02kgf) Max. 8 Pin: 23N (2.35kgf) Max.
Voltage Rating	4 Pin: 250Vac/dc 5 Pin: 60Vac/dc 8 Pin: 30Vac/dc	Withdrawal Force	4 & 5 Pin: 15N (1.53kgf) Max. 8 Pin: 30N (3.06kgf) Max.
Dielectric Withstand Voltage	4 Pin: 1400Vac 5 Pin: 1000Vac 8 Pin: 650Vac	Temperature Range	-55°C ~ 125°C
Insulation Resistance	100 MΩ (Min.)	Connector Color	Black
Contact Resistance	10 mΩ (Max.)	Waterproof Rating	IP65, IP68 (Mated, 1M/24Hrs)
Durability	100 Cycles	Safety Compliance	UL 2238, IEC 61076-2-101
		RoHS Compliant	Yes

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