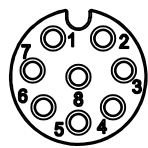


Weight: g/pcs

RoHS Compliant

Technical requirements for plugs

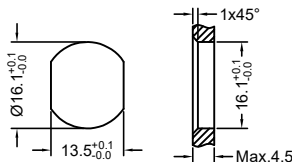
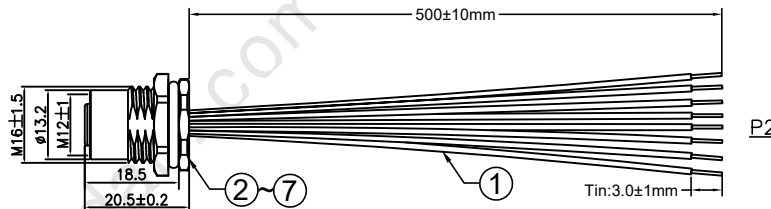
Connection Method	Threaded Connection
Wiring Method	Crimping
Temperature Range	-25℃~80℃
Pollution Level	3
Protection Level	IP67(Locked State)
Plug and unplug lifespan	≥500
Rated Voltage	30V AC/DC
Rated Current	2.0A
Contact Resistance	≤5mΩ
Insulation Resistance	≥100MQ
Quality Standard	IPC-A-620



VIEW A



A
P1



Panel Opening Size

Technical requirements:

- 1.100% inspection of products.
- 2.High voltage test: DC 300V/0.01S
- 3.Insulation impedance: 10M Ω Min
- 4.Conductor impedance: 3 Ω Max
- 5.Short circuit test: 100% test
- 6.Compliant with ROHS requirements.

7	20-18-2.8	Hexagonal nut M16x1.5 single-sided chamfer (M12 seat nut)	PCS	1	
6	EPDM	EPDM Ø16xØ12x2 black	PCS	1	
5	EPDM	EPDM Ø9xØ6x1.5 black	PCS	1	
4	T-07-RP	M12 6~8Pin Rivet Type Female PIN, OD:0.8mm	PCS	8	
3	M12-F	M12 8Pin Regular Mother Rubber core with chamfer	PCS	1	
2	S-04	M12 board rear installation socket female head shell	PCS	1	
1	UL100724TSRD201	UL1007 24AWG OD:1.4mm PVC Wire,Color:Red	MM	503	
	UL100724TSBL201	UL1007 24AWG OD:1.4mm PVC Wire,Color:Blue	MM	503	
	UL100724TSPK201	UL1007 24AWG OD:1.4mm PVC Wire,Color:Pink	MM	503	
	UL100724TSGY201	UL1007 24AWG OD:1.4mm PVC Wire,Color:Grey	MM	503	
	UL100724TSYL201	UL1007 24AWG OD:1.4mm PVC Wire,Color:Yellow	MM	503	
	UL100724TSGN201	UL1007 24AWG OD:1.4mm PVC Wire,Color:Green	MM	503	
	UL100724TSBN201	UL1007 24AWG OD:1.4mm PVC Wire,Color:Brown	MM	503	
	UL100724TSWT201	UL1007 24AWG OD:1.4mm PVC Wire,Color:White	MM	503	
NO	PART NO	DESCRIPTION	UNIT	Q'TY	REMARK

PIN ASSIGNMENT

P1	Color	P2
1	White	Tin
2	Brown	Tin
3	Green	Tin
4	Yellow	Tin
5	Grey	Tin
6	Pink	Tin
7	Blue	Tin
8	Red	Tin

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TOLERANCES: ±0.3mm		UNIT: mm	PAGE/ 1 of 1
SCT P/N	SCT-RW0009	Rev A	
CUSTOMER P/N			
CUSTOMER	Robot Wiring Wire Harness		
TITLE: M12 8Pin A code Female Socket To Tin3.0mm UL1007 24AWG*8PCS L=500mm			

REVISIONS

REV	DESCRIPTION	DATE	ECN NO.	DATE	2026.08.10
A	INITIAL RELEASE	2026.08.10		DRAWN BY	Yao
				CHECKED BY	Xiong
				APPROVED BY	Lisa