



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



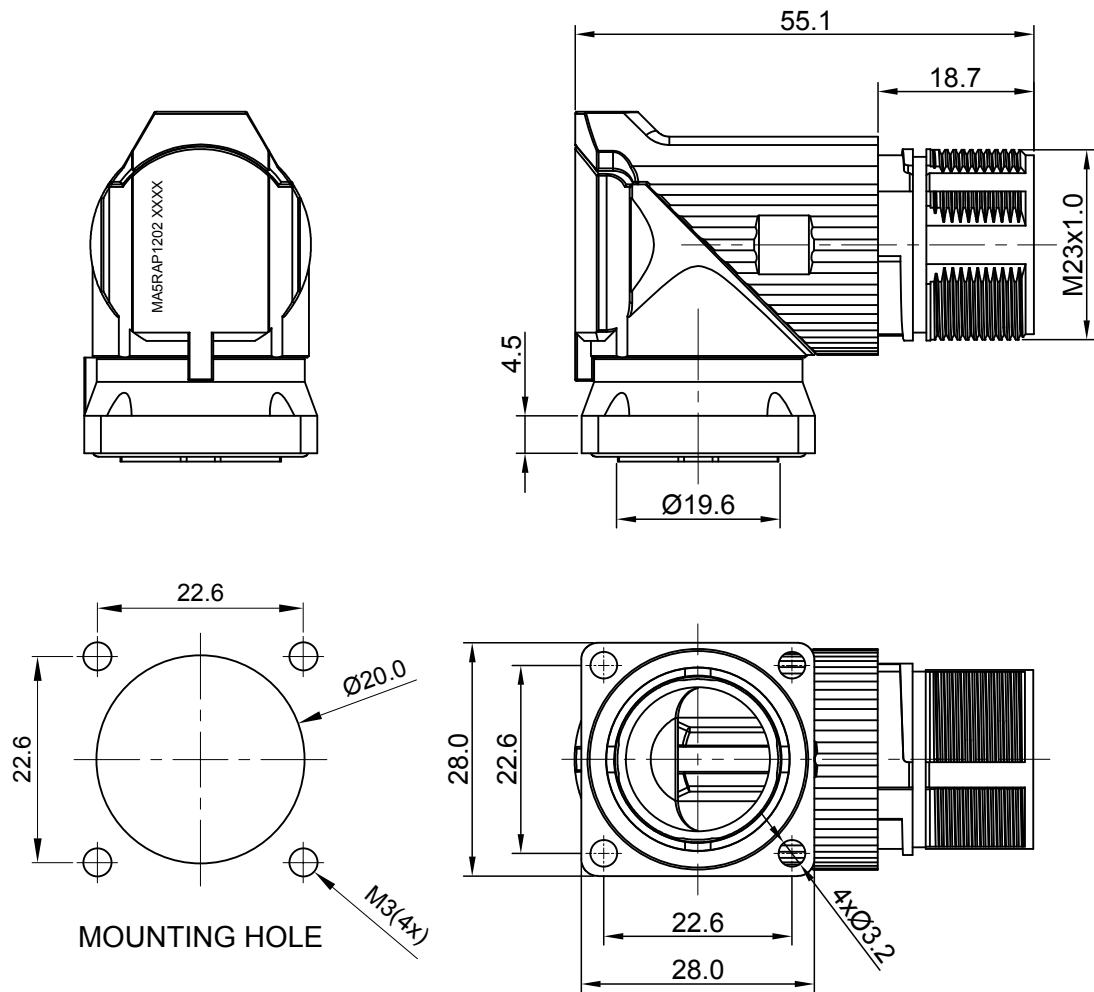
## Contact us

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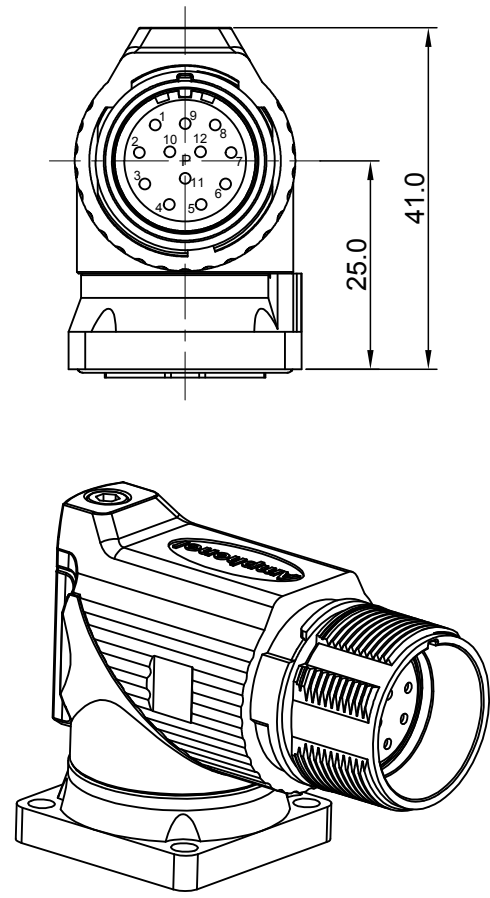
Email & Skype: [info@chipsmall.com](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





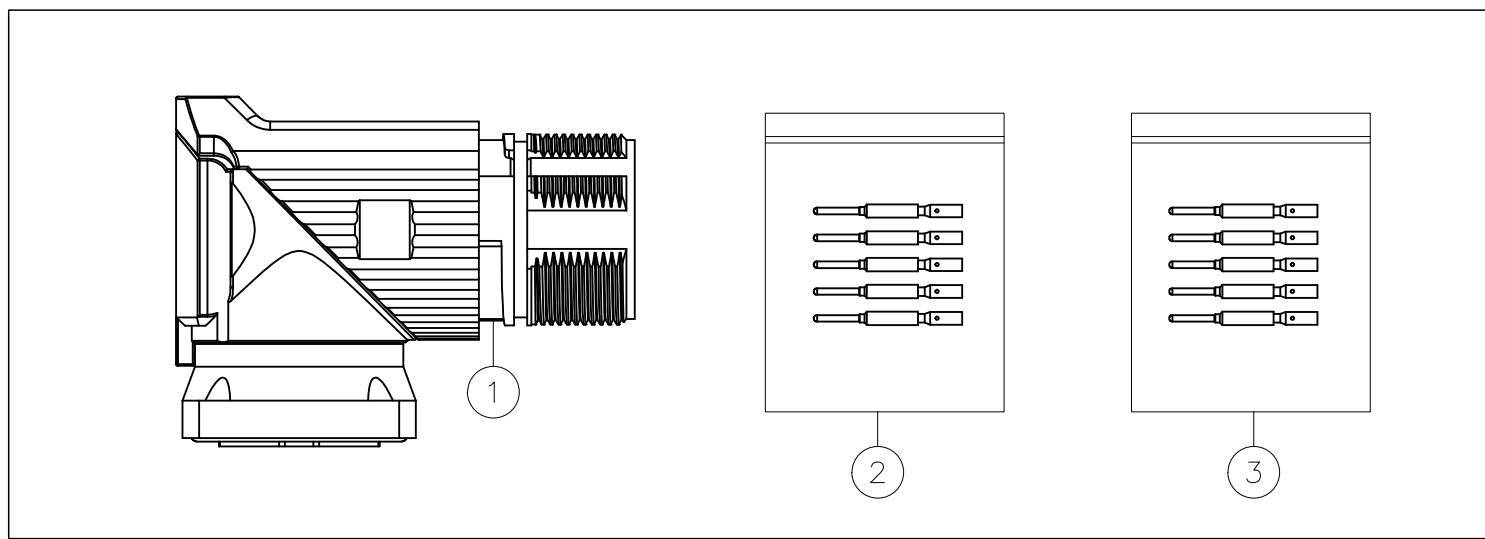
P type, Normal Key



REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	FIRST RELEASE	Jan.12.2018	White	Tommy

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:  
INSULATION INSERT: PA66,UL94 V0  
SEAL: VITON  
HOUSING BODY: ZINC DIE CAST, NICKEL PLATED  
CONTACT: COPPER ALLOY, GOLD PLATED
- SPECIFICATIONS:  
2.1 CURRENT RATING: 10 AMPS  
2.2 VOLTAGE RATING: 160 V AC/DC  
2.3 OPERATING TEMPERATURE: -20°C TO +130°C  
2.4 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 2500 VOLTS AC.  
2.5 DEGREE OF PROTECTION: IP67 ( MATED CONDITION )  
2.6 DEGREE OF POLLUTION: 3 PER UL840  
2.7 OVERVOLTAGE CATEGORY: III PER UL840  
2.8 MATING CYCLE DURABILITY: >500 CYCLES  
2.9 RoHS COMPLIANT
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.



12	SC000146	CONTACT, PIN, Ø1.0mm ,Crimp 28~24AWG	3
12	SC000035	CONTACT, PIN, Ø1.0mm, Crimp 22~18AWG	2
1	MA5RAP1202	CONNECTOR	1
QUANTITY	PART NUMBER	DESCRIPTION	ITEM

UNLESS OTHERWISE SPECIFIED

1) All dimensions are in metric(mm).  
2) Tolerances are as follows:  
1 PL DEC ±0.30 | Fractions ±1/64  
2 PL DEC ±0.15 | Angles ±1°  
3 PL DEC ±0.08

3) Note reference =

SIGNATURES	DATE
DRAWN: White	Jan.12.2018
CHECKED: Tod	Jan.12.2018
ENGINEER:	
APPROVAL: Tommy	Jan.12.2018

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASSY:

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# Amphenol

Sine Systems - [www.amphenol-sine.com](http://www.amphenol-sine.com)  
44724 Morley Drive  
Clinton Township, MI 48036

KIT,M23A,REC.,RA,12P,P TYPE, CHECKMATE

SIZE	TYPE	DWG NO:	REVISION
B	C-	MA5RAP1202-KIT	A1

SCALE: NONE

SHEET 1 OF 1