

ETO Series Rectangular PCB Connector

Product Introduction

- Comply with MIL-C-55302 Standard
- Withstanding wave-soldering
- 1.905mm insert gap
- 2 row: 10 core~60 core
- 3 row: 11 core~59 core
- Company Standard: Q/21EJ280



Main Technical performance

—Working Temperature: -55°C~ +125°C

—Rated Current: 3A

—Contact Resistance: ≤0.025Ω

—Medium Voltage: Standard atmosphere pressure 750V; Low pressure state: 250V

—Insulation Resistance: normal temperature ≥5000MΩ; Humidity≥20MΩ

—Endurance: 1000 times

—Vibration: 10~2000Hz, acceleration 147m/s²

—Salt Spray: 96 hours

—Shock: Acceleration 980m/s²

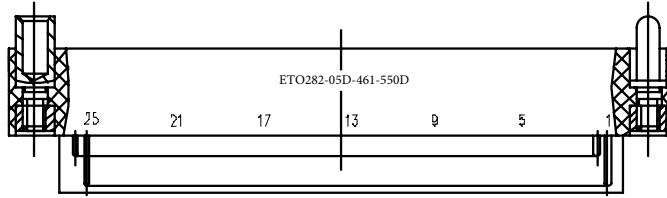
Ordering Information

Basic Series	ETO-		2	1	2	-020	10	1	-5500
	Rectangular Connector the Contact spacing is 1.905mm								
Contact ranks	2-2 ranks	3-3 ranks							
Structure	1-Straight lug (plug)		6-Curved with lug (receptacle)						
	3-Straight without lug (lug)		8-Curved without lug (receptacle)						
Insulator materials	2-PPS (Polyphenylene sulfide)								
Contact No.	2 row: 010, 020, 030, 040, 050, 060								
	3 row: 010, 020, 030, 040, 050, 060								
Contact and termination style	See the Contact and termination form								
Contact plating	plug: 1-gold-plating receptacle:1-gold-plating								
Installation fasteners style	see "ETO series installation fasteners style" as reference Note: when the plug or receptacle needn't installation fasteners, the mark code is 0256								

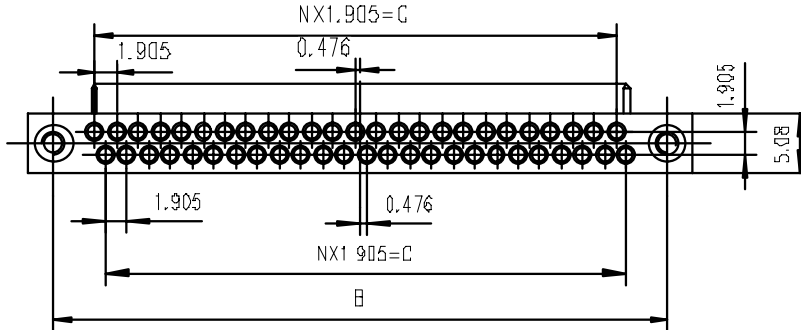
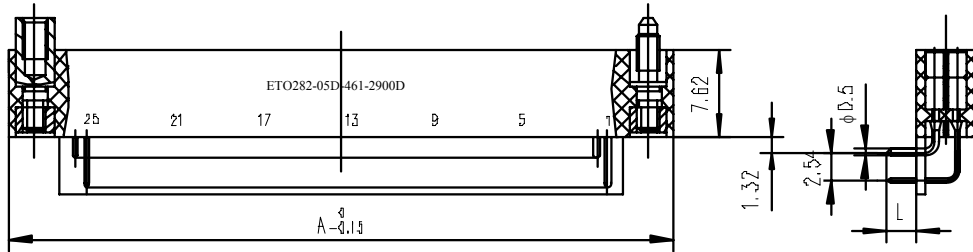
ET02 series

Curved without ear socket

Mounting Fastener Type: 550D~580D



Mounting Fastener Type: 1900/2000/2900/3000



Use the contact

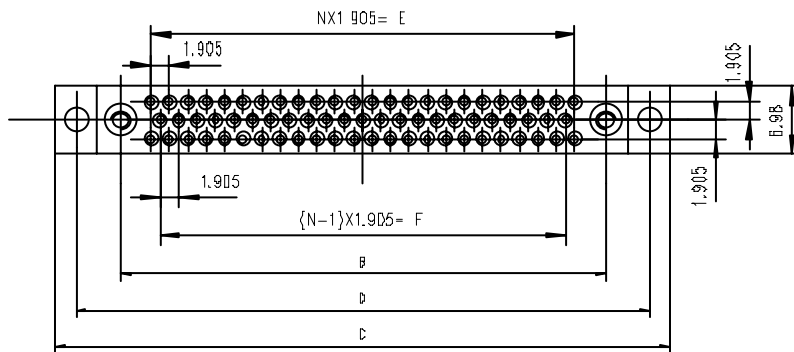
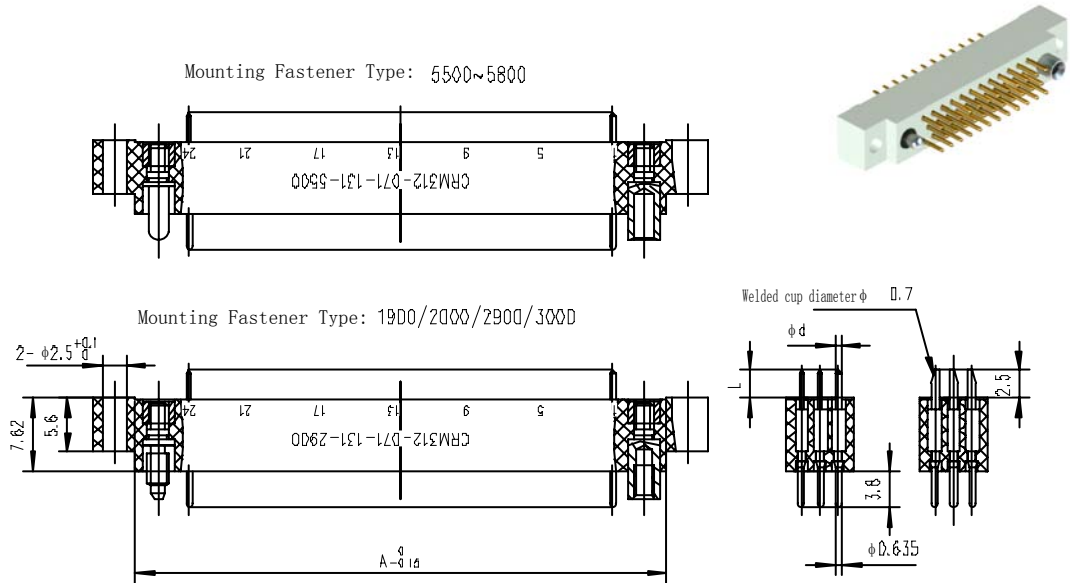
type

Socket model	A	B	φ	N
ETO282-010-XX1-XXXX	20.2	15.7	7.62	4
ETO282-010-XX1-XXXX	29.8	25.2	17.15	9
ETO282-010-XX1-XXXX	39.3	34.7	26.67	14
ETO282-010-XX1-XXXX	48.8	44.2	36.20	19
ETO282-010-XX1-XXXX	58.3	53.8	45.72	24
ETO282-010-XX1-XXXX	67.9	63.3	55.25	29

Contact type	φ d	L	Termination form
44	0.5	2.77	Bending dip welding
45	0.5	3.56	
46	0.5	4.37	

ET03 series

Straight-mounted ear plugs



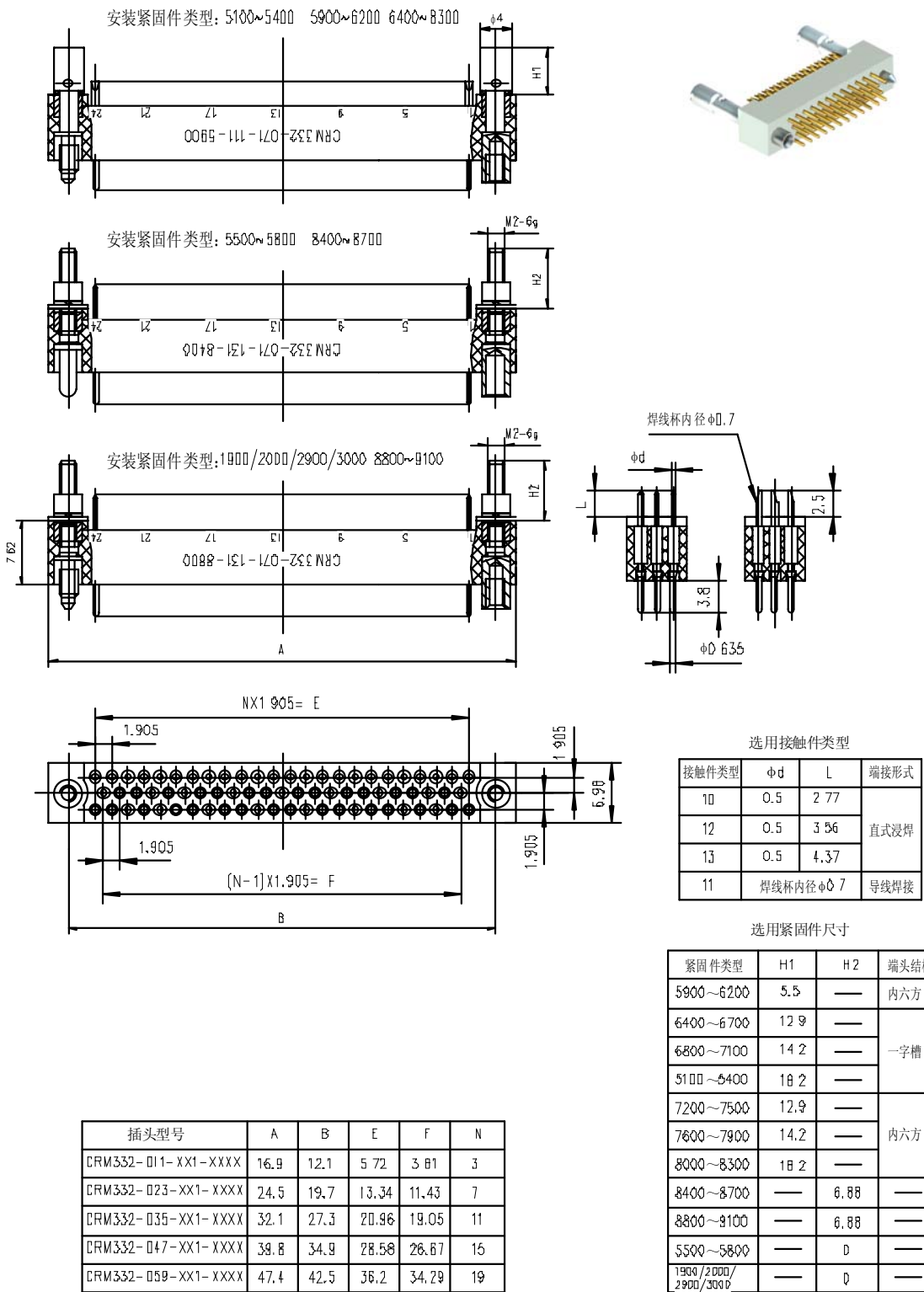
Plug type	A	B	C	D	E	F	N
ETO312-011-XX1-XXXX	16.9	12.1	25.5	21.2	5.72	3.81	3
ETO312-023-XX1-XXXX	24.5	19.7	33.1	28.8	13.34	11.43	7
ETO312-035-XX1-XXXX	32.1	27.3	40.8	36.4	20.96	19.05	11
ETO312-047-XX1-XXXX	39.8	34.9	48.4	44	28.58	26.67	15
ETO312-059-XX1-XXXX	47.4	42.5	56	51.7	36.2	34.29	19

Use the contact type

Contact type	φd	L	Termination form
10	0.5	2.77	Straight dip soldering
12	0.5	3.56	
13	0.5	4.37	
Welded cup diameter φ 0.7			Wire welding

ET03 series

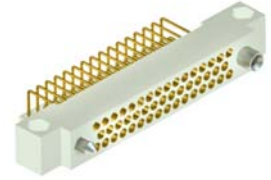
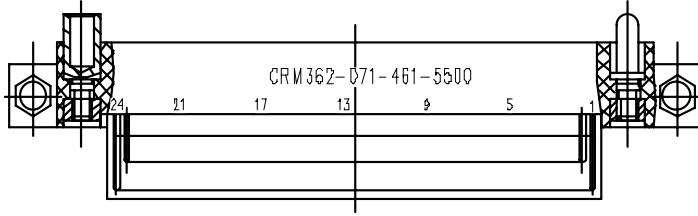
Straight without mounting ear plugs



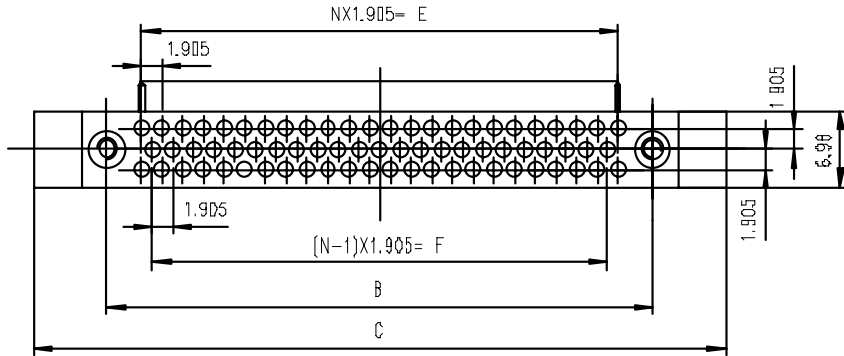
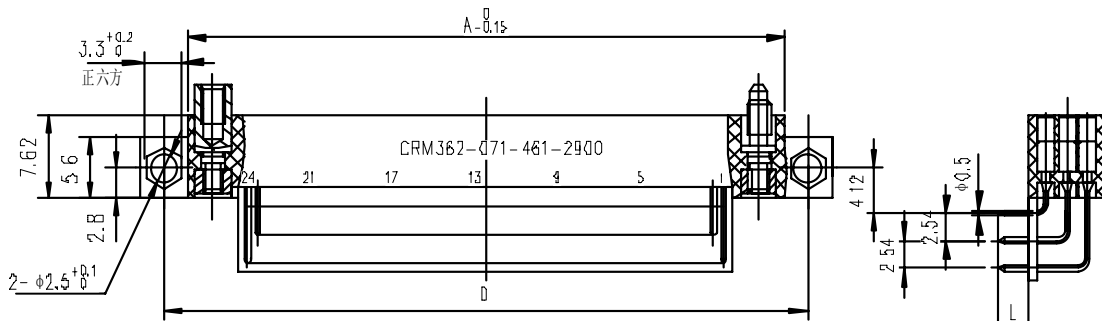
ET03系列

弯式带安装耳插座

安装紧固件类型: 5500~5800



安装紧固件类型: 1900/2000/2900/3000



插座型号	A	B	C	D	E	F	N
CRM362-011-XX1-XXXX	16.9	12.1	25.5	21.2	5.72	3.81	3
CRM362-023-XX1-XXXX	24.5	19.7	33.1	28.8	13.34	11.43	7
CRM362-035-XX1-XXXX	32.1	27.3	40.8	36.4	20.96	19.05	11
CRM362-047-XX1-XXXX	39.8	34.9	48.4	44	28.58	26.67	15
CRM362-059-XX1-XXXX	47.4	42.5	56	51.7	36.2	34.29	19

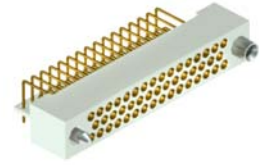
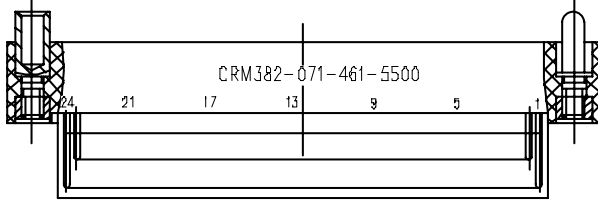
选用接触件类型

接触件类型	ϕd	L	端接形式
44	0.5	2.77	弯式浸焊
45	0.5	3.56	
46	0.5	4.37	

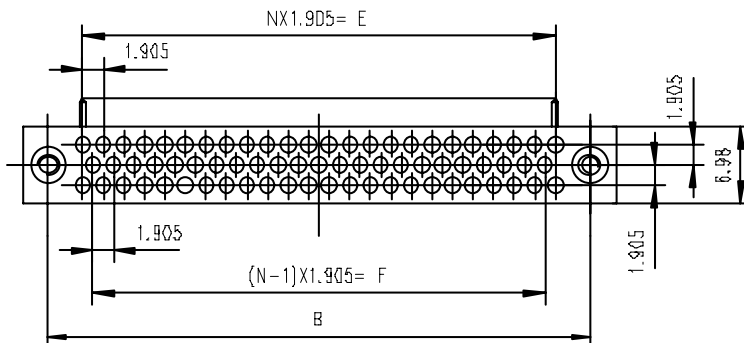
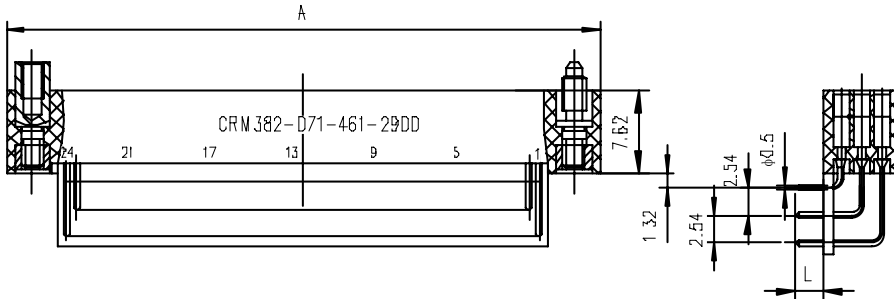
CRM3 系列

弯式不带安装耳插座

安装紧固件类型：5500~5800



安装紧固件类型：1900/2000/2900/3000



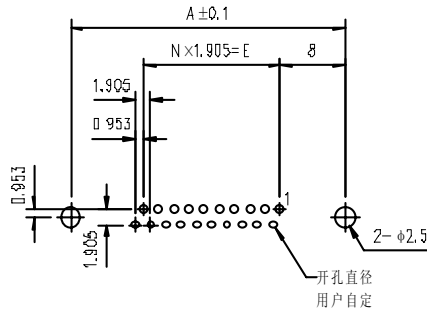
选用接触件类型

插座型号	A	B	E	F	N
CRM382-011-XX1-XXXX	16.9	12.1	5.72	3.81	3
CRM382-023-XX1-XXXX	24.5	19.7	13.34	11.43	7
CRM382-035-XX1-XXXX	32.1	27.3	20.96	19.05	11
CRM382-047-XX1-XXXX	39.8	34.9	28.58	26.67	15
CRM382-059-XX1-XXXX	47.4	42.5	36.2	34.29	19

接触件类型	ϕd	L	端接形式
44	0.5	2.77	弯式浸焊
45	0.5	3.56	
46	0.5	4.37	

CRM2系列插头推荐印制板开孔尺寸

直式带安装耳印制板插头

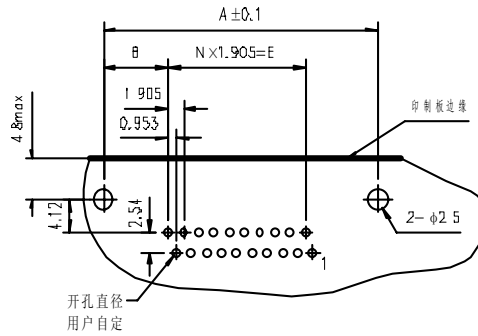


芯数	接点排列序号	芯数	接点排列序号
10		40	
20		50	
30		60	

芯数	A	E	N
10	24.6	7.62	4
20	34.1	17.15	9
30	43.6	26.67	14
40	53.1	36.20	19
50	62.7	45.72	24
60	72.2	55.25	29

CRM2系列插座推荐印制板开孔尺寸

弯式带安装耳印制板插座

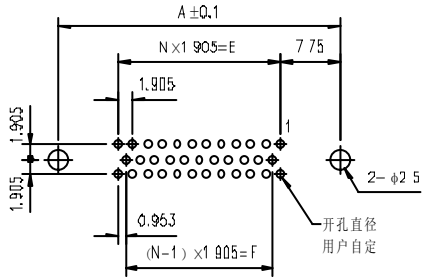


芯数	接点排列序号	芯数	接点排列序号
10		60	
20		40	
30		50	

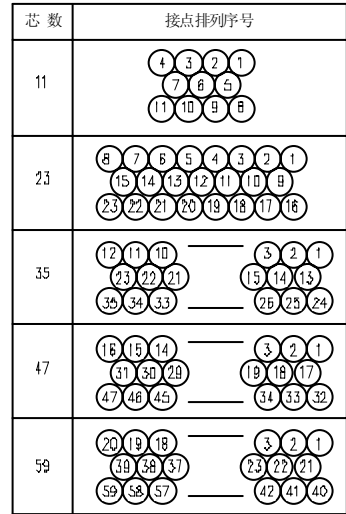
芯数	A	E	N
10	24.6	7.62	4
20	34.1	17.15	9
30	43.6	26.67	14
40	53.1	36.20	19
50	62.7	45.72	24
60	72.2	55.25	29

CRM3系列插头推荐印制板开孔尺寸

直式带安装耳印制板插头

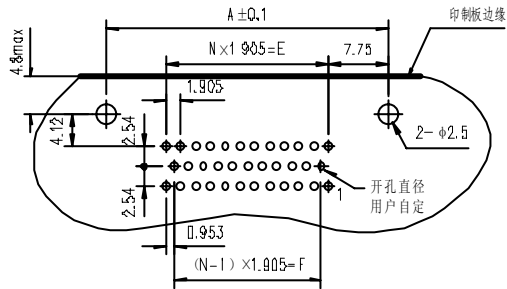


芯数	A	E	F	N
11	21.2	5.72	3.81	3
23	28.8	13.34	11.43	7
35	36.4	20.96	19.05	11
47	44	28.58	26.67	15
59	51.7	36.2	34.29	19

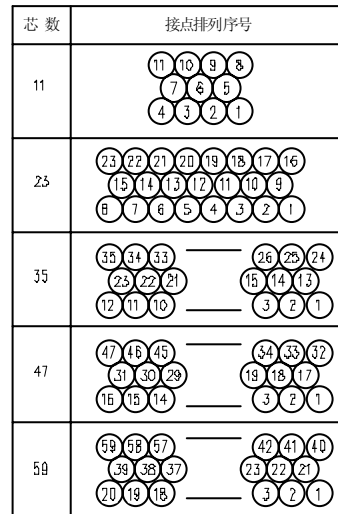


CRM3系列插座推荐印制板开孔尺寸

弯式带安装耳印制板插座



芯数	A	E	F	N
11	21.2	5.72	3.81	3
23	28.8	13.34	11.43	7
35	36.4	20.96	19.05	11
47	44	28.58	26.67	15
59	51.7	36.2	34.29	19



ET02、ET03系列可以选用的接触件

插 针

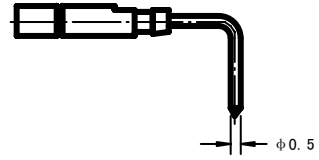


11 插针, 直式焊杯



- 10 插针, 直式浸焊, 引脚长度2.77mm
- 12 插针, 直式浸焊, 引脚长度3.56mm
- 13 插针, 直式浸焊, 引脚长度4.37mm

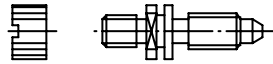
插 孔



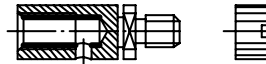
- 44 插孔, 弯式浸焊, 引脚长度2.77mm
- 45 插孔, 弯式浸焊, 引脚长度3.56mm
- 46 插孔, 弯式浸焊, 引脚长度4.37mm

ET02、ET03系列可以安装的紧固件类型

固定螺纹导销导套

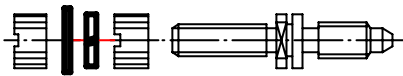


- 2900 固定螺纹导销、导套
- 3000 固定螺纹导销、导套, 反装

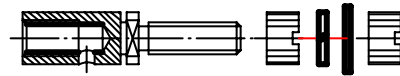


- 1900 两个固定螺纹导销
- 2000 两个固定螺纹导套

加长固定螺纹导销导套



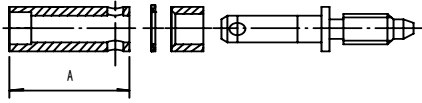
- 8800 加长固定螺纹导销、导套
- 8900 加长固定螺纹导销、导套, 反装



- 9000 两个加长固定螺纹导销
- 9100 两个加长固定螺纹导套

加长旋转螺纹导销导套

端头结构有两种形式可供选择：一字槽或内六方（图示为内六方结构）

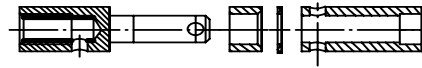


“一字槽”结构

- 5100 加长旋转螺纹导销、导套, A=17.8mm
- 5200 加长旋转螺纹导销、导套, A=17.8mm, 反装
- 5300 两个加长旋转螺纹导销, A=17.8mm
- 5400 两个加长旋转螺纹导套, A=17.8mm

- 6400 加长旋转螺纹导销、导套, A=12.5mm
- 6500 加长旋转螺纹导销、导套, A=12.5mm, 反装
- 6600 两个加长旋转螺纹导销, A=12.5mm
- 6700 两个加长旋转螺纹导套, A=12.5mm

- 6800 加长旋转螺纹导销、导套, A=13.8mm
- 6900 加长旋转螺纹导销、导套, A=13.8mm, 反装
- 7000 两个加长旋转螺纹导销, A=13.8mm
- 7100 两个加长旋转螺纹导套, A=13.8mm



“内六方”结构

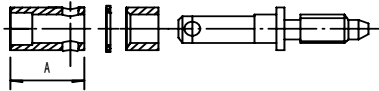
- 7200 加长旋转螺纹导销、导套, A=12.5mm
- 7300 加长旋转螺纹导销、导套, A=12.5mm, 反装
- 7400 两个加长旋转螺纹导销, A=12.5mm
- 7500 两个加长旋转螺纹导套, A=12.5mm

- 7600 加长旋转螺纹导销、导套, A=13.8mm
- 7700 加长旋转螺纹导销、导套, A=13.8mm, 反装
- 7800 两个加长旋转螺纹导销, A=13.8mm
- 7900 两个加长旋转螺纹导套, A=13.8mm

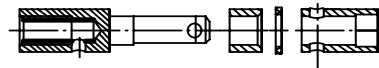
- 8000 加长旋转螺纹导销、导套, A=17.8mm
- 8100 加长旋转螺纹导销、导套, A=17.8mm, 反装
- 8200 两个加长旋转螺纹导销, A=17.8mm
- 8300 两个加长旋转螺纹导套, A=17.8mm

旋转螺纹导销导套

端头结构：内六方

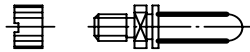


- 5900 旋转螺纹导销、导套, A=5.1mm
- 6000 旋转螺纹导销、导套, A=5.1mm, 反装

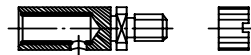


- 6100 两个旋转螺纹导销, A=5.1mm
- 6200 两个旋转螺纹导套, A=5.1mm

固定导销导套

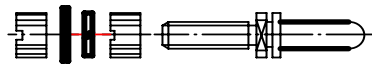


- 5500 固定导销、导套
- 5600 固定导销、导套, 反装

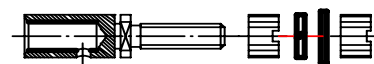


- 5700 两个固定导销
- 5800 两个固定导套

加长固定导销导套


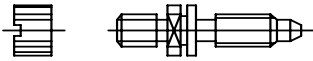

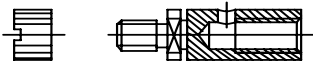

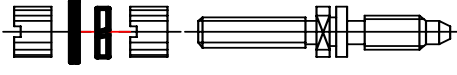

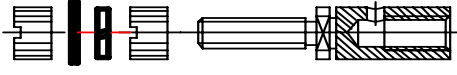

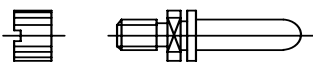

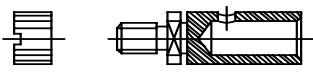

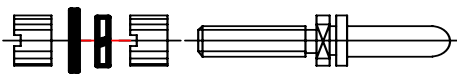

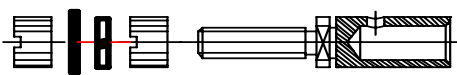

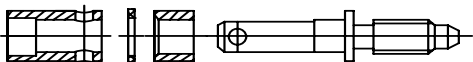

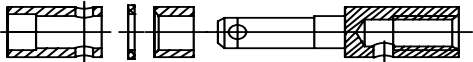

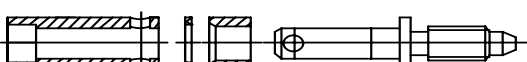

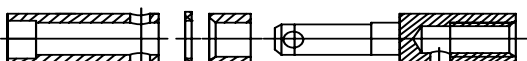


- 8400 加长固定导销、导套
- 8500 加长固定螺纹导销、导套, 反装

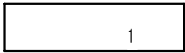
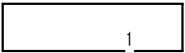
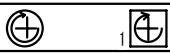
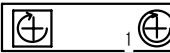
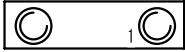
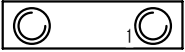
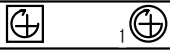
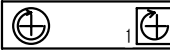








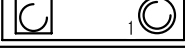
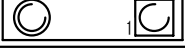


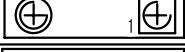
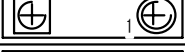
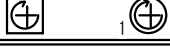
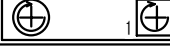
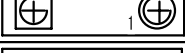
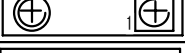


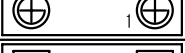
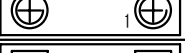


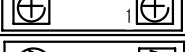
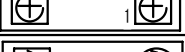
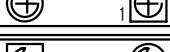
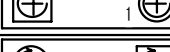
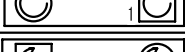
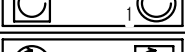
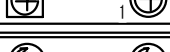
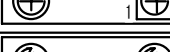
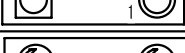
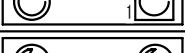
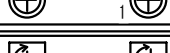
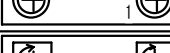
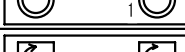
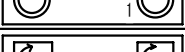
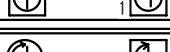
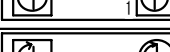
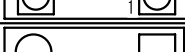
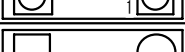
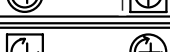
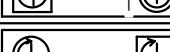
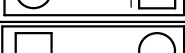
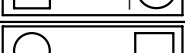
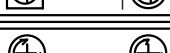
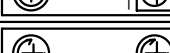
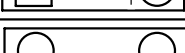
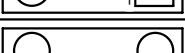
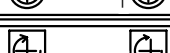
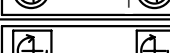
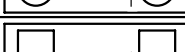
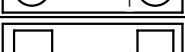
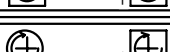
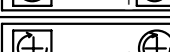
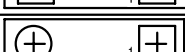
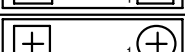
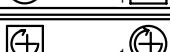
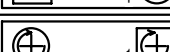
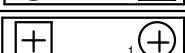
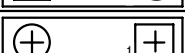
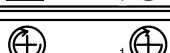
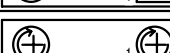








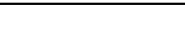
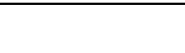
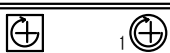
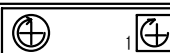


- 8600 两个加长固定导销
- 8700 两个加长固定导套

CRM2、CRM3系列可以安装的紧固件类型（续）

图符	名称	示意图
	固定螺纹导销	
	固定螺纹导套	
	加长固定螺纹导销	
	加长固定螺纹导套	
	固定导销	
	固定导套	
	加长固定导销	
	加长固定导套	
	旋转螺纹导销	
	旋转螺纹导套	
	加长旋转螺纹导销	
	加长旋转螺纹导套	

CRM2、CRM3系列可以安装的紧固件类型（续）

紧固件组合代号	插 头	插 座	紧固件组合代号	插 头	插 座
0256			5100		
1900			5200		
2000			5300		
2900			5400		
3000			6400		
8800			6500		
8900			6600		
9000			6700		
9100			6800		
5900			6900		
6000			7000		
6100			7100		
6200			7200		
5500			7300		
5600			7400		
5700			7500		
5800			7600		
8400			7700		
8500			7800		
8600			7900		
8700			8000		
说明	