

# M16 Series



## M16 Series Circular Connectors

1. Assembly connector

1601-1602

2. Panel

1603-1606

3. Cable

1607-1608

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Änderungen vorbehalten

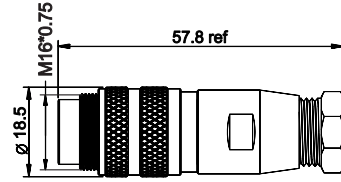
# M16 Circular connectors

## Male assembly connector

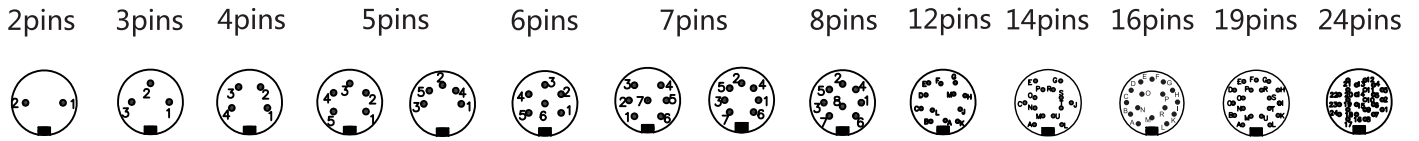
Product figure



Scale diagram



### Contact layout/针孔排布 (Front view/前视图)



### Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
2pins	160002-01-001	ASM16M02001
3pins	160003-01-001	ASM16M03D001
4pins	160004-01-001	ASM16M04001
5pins	160005-01-001	ASM16M05001
5pins(DIN)	160005-01-002	ASM16M05D001
6pins	160006-01-001	ASM16M06D001
7pins	160007-01-001	ASM16M07001
7pins(DIN)	160007-01-002	ASM16M07D001
8pins	160008-01-001	ASM16M08D001
12pins	160012-01-001	ASM16M12001
14pins(DIN)	160014-01-001	ASM16M14001
16pins	160016-01-001	ASM16M16001
19pins	160019-01-001	ASM16M19001
24pins	160024-01-002	ASM16M24001

### Specifications/技术参数

Number of contacts/芯数	2	3	4	5	5DIN	6	7	7DIN	8	12	14DIN	16	19	24
Termination/接线方式	solder/焊接													
Wire gauge/线规	max,0.5mm <sup>2</sup> (max,20AWG)										max,0.25mm <sup>2</sup> (max,24AWG)		0.14mm <sup>2</sup> 26AWG	
Cable OD/线材直径	5~7.5mm													
Operating temperature/工作温度	-25°C~+85°C													
Mechanical operation/插拔次数	> 100 mating cycles													
Rated voltage/额定电压	100V		63V		32V		63V		32V					
Rated current (40°C)/额定电流	5A										1A			
Protection degree/防护等级	IP67/IP68													
Contact resistance/接触电阻	≤5mΩ										≤3mΩ			
Insulation resistance/绝缘电阻	≥100MΩ													
Pin contact/插针材料	CuZn													
Socket contact/插孔材料	CuSn													
Contact plating/针孔镀层材料	Au													

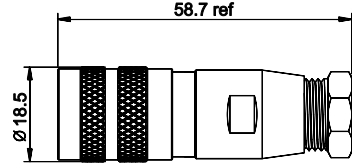
# M16 Circular connectors

## Female assembly connector

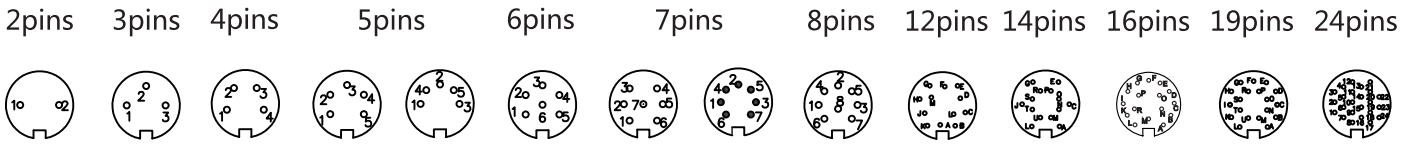
Product figure



Scale diagram



Contact layout/针孔排布 (Front view/前视图)



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
2pins	160002-02-001	ASM16F02001
3pins	160003-02-001	ASM16F03D001
4pins	160004-02-001	ASM16F04001
5pins	160005-02-001	ASM16F05001
5pins(DIN)	160005-02-002	ASM16F05D001
6pins	160006-02-001	ASM16F06D001
7pins	160007-02-001	ASM16F07001
7pins(DIN)	160007-02-002	ASM16F07D001
8pins	160008-02-001	ASM16F08D001
12pins	160012-02-001	ASM16F12001
14pins(DIN)	160014-02-001	ASM16F14001
16pins	160016-02-001	ASM16F16001
19pins	160019-02-001	ASM16F19001
24pins	160024-02-001	ASM16F24001

Specifications/技术参数

Number of contacts/芯数	2	3	4	5	5DIN	6	7	7DIN	8	12	14DIN	16	19	24	
Termination/接线方式	solder/焊接														
Wire gauge/线规	max,0.5mm <sup>2</sup> (max,20AWG)									max,0.25mm <sup>2</sup> (max,24AWG)			0.14mm <sup>2</sup> 26AWG		
Cable OD/线材直径	5~7.5mm														
Operating temperature/工作温度	-25°C~+85°C														
Mechanical operation/插拔次数	> 100 mating cycles														
Rated voltage/额定电压	100V		63V		32V		63V		32V						
Rated current (40°C)/额定电流	5A									1A					
Protection degree/防护等级	IP67/IP68														
Contact resistance/接触电阻	≤5mΩ									≤3mΩ					
Insulation resistance/绝缘电阻	≥100MΩ														
Pin contact/插针材料	CuZn														
Socket contact/插孔材料	CuSn														
Contact plating/针孔镀层材料	Au														

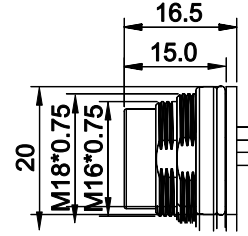
# M16 Circular connectors

## Male panel connector

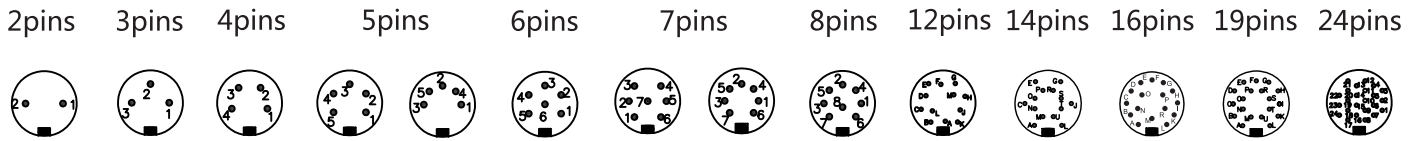
Product figure (front fastened)



Scale diagram



Contact layout/针孔排布 (Front view/前视图)



### Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
2pins	160002-03-001	PMM16FM02001
3pins	160003-03-002	PMM16FM03D001
4pins	160004-03-001	PMM16FM04001
5pins	160005-03-001	PMM16FM05001
5pins(DIN)	160005-03-004	PMM16FM05D001
6pins	160006-03-001	PMM16FM06D001
7pins	160007-03-001	PMM16FM07001
7pins(DIN)	160007-03-002	PMM16FM07D001
8pins	160008-03-001	PMM16FM08D001
12pins	160012-03-001	PMM16FM12001
14pins(DIN)	160014-03-001	PMM16FM14001
16pins	160016-03-001	PMM16FM16001
19pins	160019-03-001	PMM16FM19001
24pins	160024-03-001	PMM16FM24001

### Specifications/技术参数

Number of contacts/芯数	2	3	4	5	5DIN	6	7	7DIN	8	12	14DIN	16	19	24
Termination/接线方式	solder/焊接													
Wire gauge/线规	max,0.5mm <sup>2</sup> (max,20AWG)										max,0.25mm <sup>2</sup> (max,24AWG)		0.14mm <sup>2</sup> 26AWG	
Operating temperature/工作温度	-25°C ~ +85°C													
Mechanical operation/插拔次数	> 100 mating cycles													
Rated voltage/额定电压	100V		63V		32V		63V		32V					
Rated current (40°C)/额定电流	5A										1A			
Protection degree/防护等级	IP67/IP68													
Contact resistance/接触电阻	≤5mΩ										≤3mΩ			
Insulation resistance/绝缘电阻	≥100MΩ													
Pin contact/插针材料	CuZn													
Socket contact/插孔材料	CuSn													
Contact plating/针孔镀层材料	Au													

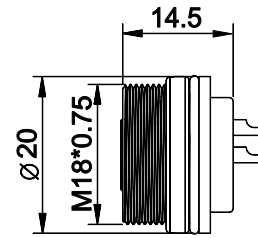
# M16 Circular connectors

## Female panel connector

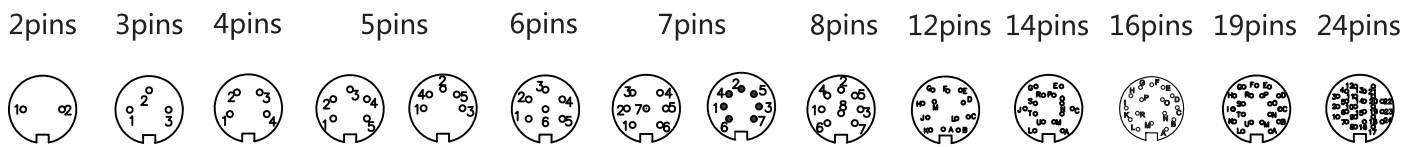
Product figure(front fastened)



Scale diagram



Contact layout/针孔排布 (Front view/前视图)



## Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
2pins	160002-04-001	PMM16FF02001
3pins	160003-04-002	PMM16FF03D001
4pins	160004-04-001	PMM16FF04001
5pins	160005-04-001	PMM16FF05001
5pins(DIN)	160005-04-004	PMM16FF05D001
6pins	160006-04-001	PMM16FF06D001
7pins	160007-04-001	PMM16FF07001
7pins(DIN)	160007-04-002	PMM16FF07D001
8pins	160008-04-001	PMM16FF08D001
12pins	160012-04-001	PMM16FF12001
14pins(DIN)	160014-04-001	PMM16FF14001
16pins	160016-04-001	PMM16FF16001
19pins	160019-04-001	PMM16FF19001
24pins	160024-04-001	PMM16FF24001

## Specifications/技术参数

Number of contacts/芯数	2	3	4	5	5DIN	6	7	7DIN	8	12	14DIN	16	19	24
Termination/接线方式	solder/焊接													
Wire gauge/线规	max,0.5mm <sup>2</sup> (max,20AWG)										max,0.25mm <sup>2</sup> (max,24AWG)		0.14mm <sup>2</sup> 26AWG	
Operating temperature/工作温度	-25°C ~ +85°C													
Mechanical operation/插拔次数	> 100 mating cycles													
Rated voltage/额定电压	100V		63V		32V		63V		32V					
Rated current (40°C)/额定电流	5A										1A			
Protection degree/防护等级	IP67/IP68													
Contact resistance/接触电阻	≤5mΩ										≤3mΩ			
Insulation resistance/绝缘电阻	≥100MΩ													
Pin contact/插针材料	CuZn													
Socket contact/插孔材料	CuSn													
Contact plating/针孔镀层材料	Au													



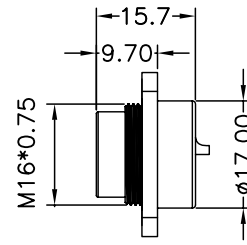
# M16 Circular connectors

## Male panel connector

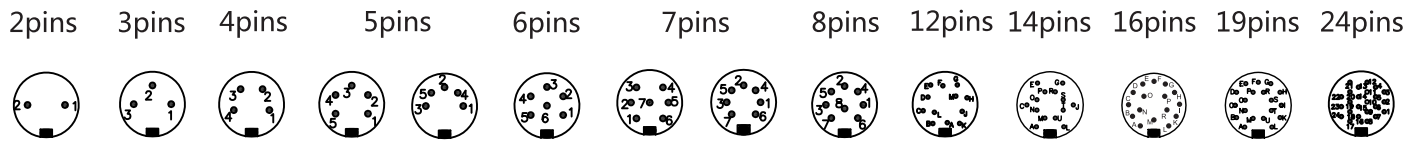
Product figure



Scale diagram



Contact layout/针孔排布 (Front view/前视图)



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
2pins	160002-03-002	PMM16LM02001
3pins	160003-03-003	PMM16LM03D001
4pins	160004-03-002	PMM16LM04001
5pins	160005-03-002	PMM16LM05001
5pins(DIN)	160005-03-003	PMM16LM05D001
6pins	160006-03-002	PMM16LM06D001
7pins	160007-03-003	PMM16LM07001
7pins(DIN)	160007-03-004	PMM16LM07D001
8pins	160008-03-002	PMM16LM08D001
12pins	160012-03-002	PMM16LM12001
14pins(DIN)	160014-03-002	PMM16LM14001
16pins	160016-03-002	PMM16LM16001
19pins	160019-03-002	PMM16LM19001
24pins	160024-03-002	PMM16LM24001

Specifications/技术参数

Number of contacts/芯数	2	3	4	5	5DIN	6	7	7DIN	8	12	14DIN	16	19	24
Termination/接线方式	solder/焊接													
Wire gauge/线规	max,0.5mm <sup>2</sup> (max,20AWG)									max,0.25mm <sup>2</sup> (max,24AWG)			0.14mm <sup>2</sup> 26AWG	
Operating temperature/工作温度	-25°C ~ +85°C													
Mechanical operation/插拔次数	> 100 mating cycles													
Rated voltage/额定电压	100V		63V		32V		63V		32V					
Rated current (40°C)/额定电流	5A									1A				
Protection degree/防护等级	IP67/IP68													
Contact resistance/接触电阻	≤5mΩ									≤3mΩ				
Insulation resistance/绝缘电阻	≥100MΩ													
Pin contact/插针材料	CuZn													
Socket contact/插孔材料	CuSn													
Contact plating/针孔镀层材料	Au													

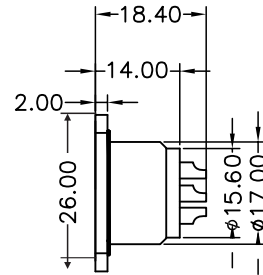
# M16 Circular connectors

## Female panel connector

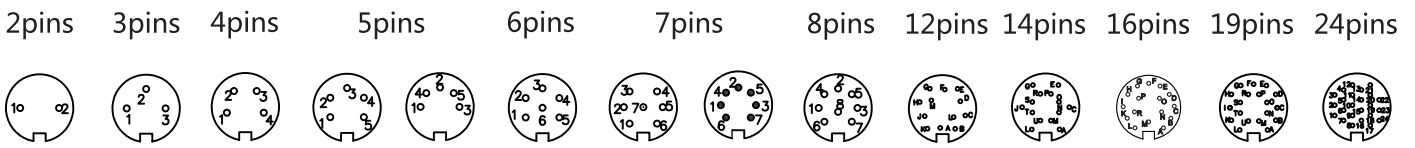
Product figure



Scale diagram



Contact layout/针孔排布 (Front view/前视图)



### Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
2pins	160002-04-002	PMM16LF02001
3pins	160003-04-003	PMM16LF03D001
4pins	160004-04-002	PMM16LF04001
5pins	160005-04-002	PMM16LF05001
5pins(DIN)	160005-04-003	PMM16LF05D001
6pins	160006-04-002	PMM16LF06D001
7pins	160007-04-003	PMM16LF07001
7pins(DIN)	160007-04-004	PMM16LF07D001
8pins	160008-04-002	PMM16LF08D001
12pins	160012-04-002	PMM16LF12001
14pins(DIN)	160014-04-002	PMM16LF14001
16pins	160016-04-002	PMM16LF16001
19pins	160019-04-002	PMM16LF19001
24pins	160024-04-003	PMM16LF24001

### Specifications/技术参数

Number of contacts/芯数	2	3	4	5	5DIN	6	7	7DIN	8	12	14DIN	16	19	24
Termination/接线方式	solder/焊接													
Wire gauge/线规	max,0.5mm <sup>2</sup> (max,20AWG)										max,0.25mm <sup>2</sup> (max,24AWG)		0.14mm <sup>2</sup> 26AWG	
Operating temperature/工作温度	-25°C ~ +85°C													
Mechanical operation/插拔次数	> 100 mating cycles													
Rated voltage/额定电压	100V		63V		32V		63V		32V					
Rated current (40°C)/额定电流	5A										1A			
Protection degree/防护等级	IP67/IP68													
Contact resistance/接触电阻	≤5mΩ										≤3mΩ			
Insulation resistance/绝缘电阻	≥100MΩ													
Pin contact/插针材料	CuZn													
Socket contact/插孔材料	CuSn													
Contact plating/针孔镀层材料	Au													

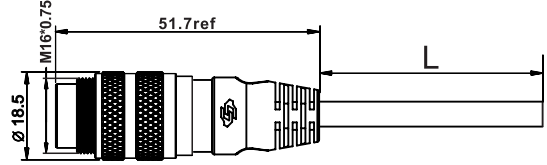
# M16 Circular connectors

## Male cable

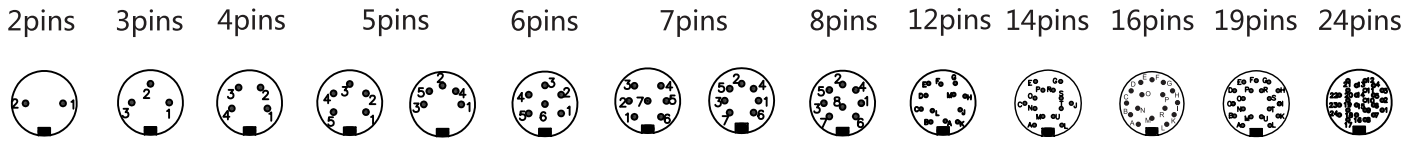
Product figure



Scale diagram



Contact layout/针孔排布 (Front view/前视图)



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
2pins	160002-05-001	CAM16SM02001
3pins	160003-05-001	CAM16SM03D001
4pins	160004-05-001	CAM16SM04001
5pins	160005-05-001	CAM16SM05001
5pins(DIN)	160005-05-002	CAM16SM05D001
6pins	160006-05-001	CAM16SM06D001
7pins	160007-05-001	CAM16SM07001
7pins(DIN)	160007-05-002	CAM16SM07D001
8pins	160008-05-001	CAM16SM08D001
12pins	160012-05-001	CAM16SM12001
14pins(DIN)	160014-05-001	CAM16SM14001
16pins	160016-05-001	CAM16SM16001
19pins	160019-05-001	CAM16SM19001
24pins	160024-05-001	CAM16SM24001

Specifications/技术参数

Number of contacts/芯数	2	3	4	5	5DIN	6	7	7DIN	8	12	14DIN	16	19	24
Termination/接线方式	moulded on cable/成型线													
Wire gauge/线规	max,0.5mm <sup>2</sup> (max,20AWG)										max,0.25mm <sup>2</sup> (max,24AWG)		0.14mm <sup>2</sup> 26AWG	
Operating temperature/工作温度	-25°C ~ +80°C													
Mechanical operation/插拔次数	> 100 mating cycles													
Rated voltage/额定电压	100V		63V		32V		63V		32V					
Rated current (40°C)/额定电流	5A										1A			
Protection degree/防护等级	IP67/IP68													
Contact resistance/接触电阻	≤5mΩ										≤3mΩ			
Insulation resistance/绝缘电阻	≥100MΩ													
Pin contact/插针材料	CuZn													
Socket contact/插孔材料	CuSn													
Contact plating/针孔镀层材料	Au													



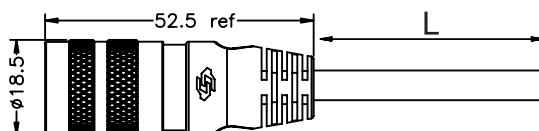
# M16 Circular connectors

## Female cable

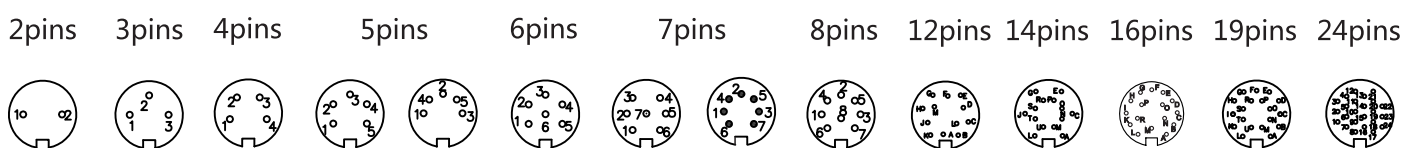
Product figure



Scale diagram



Contact layout/针孔排布 (Front view/前视图)



## Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
2pins	160002-06-002	CAM16SF02001
3pins	160003-06-001	CAM16SF03D001
4pins	160004-06-001	CAM16SF04001
5pins	160005-06-001	CAM16SF05001
5pins(DIN)	160005-06-002	CAM16SF05D001
6pins	160006-06-001	CAM16SF06D001
7pins	160007-06-001	CAM16SF07001
7pins(DIN)	160007-06-002	CAM16SF07D001
8pins	160008-06-001	CAM16SF08D001
12pins	160012-06-001	CAM16SF12001
14pins(DIN)	160014-06-001	CAM16SF14001
16pins	160016-06-001	CAM16SF16001
19pins	160019-06-002	CAM16SF19001
24pins	160024-06-002	CAM16SF24001

## Specifications/技术参数

Number of contacts/芯数	2	3	4	5	5DIN	6	7	7DIN	8	12	14DIN	16	19	24	
Termination/接线方式	moulded on cable/成型线														
Wire gauge/线规	max,0.5mm <sup>2</sup> (max,20AWG)									max,0.25mm <sup>2</sup> (max,24AWG)			0.14mm <sup>2</sup> 26AWG		
Operating temperature/工作温度	-25°C ~ +80°C														
Mechanical operation/插拔次数	> 100 mating cycles														
Rated voltage/额定电压	100V		63V		32V		63V		32V						
Rated current (40°C)/额定电流	5A									1A					
Protection degree/防护等级	IP67/IP68														
Contact resistance/接触电阻	≤5mΩ									≤3mΩ					
Insulation resistance/绝缘电阻	≥100MΩ														
Pin contact/插针材料	CuZn														
Socket contact/插孔材料	CuSn														
Contact plating/针孔镀层材料	Au														

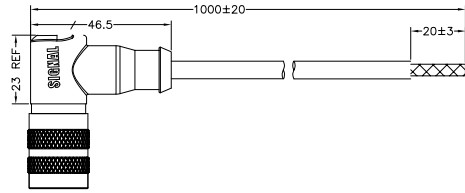
# M16 Circular connectors

## Female cable

Product figure



Scale diagram



Contact layout/针孔排布 (Front view/前视图)

12pins



### Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
12pins	160012-06-007	—

### Specifications/技术参数

Number of contacts/芯数	12
Termination/接线方式	moulded on cable/成型线
Wire gauge/线规	max,0.25mm <sup>2</sup> (max,24AWG)
Operating temperature/工作温度	-25°C ~ +80°C
Mechanical operation/插拔次数	> 100 mating cycles
Rated voltage/额定电压	32V
Rated current (40°C)/额定电流	1A
Protection degree/防护等级	Ip67
Contact resistance/接触电阻	≤5mΩ
Insulation resistance/绝缘电阻	≥100MΩ
Pin contact/插针材料	CuZn
Socket contact/插孔材料	CuSn
Contact plating/针孔镀层材料	Au

