

AS39029 (FORMER MIL-C-39029)

QPL LISTED CONTACTS



FOR MIL/AERO APPLICATIONS
WITH PATENTED REVERSED CLIP
TECHNOLOGY



preci-dip

swiss world connects



REVERSED-CLIP SOCKET CONTACT TECHNOLOGY

CONTACT DESIGN

The contact consists of three parts, separately manufactured and made of different base materials. This design allows to optimise the performance and to select the most appropriate production process individually:

- Contact body made of machined brass
- Reversed-clip made of stamped and formed beryllium-copper
- Protection hood made of deep-drawn stainless steel

Separate electroplating processes of body and clip allow the best cost-performance ratio. The assembly of the three parts is then carried out on dedicated, fully automatic assembly lines.

Reversed-clip contacts are presently available in size 12, 16, 20 and 22. This proprietary technology, entirely developed by PRECI-DIP, is protected by international patents.

ADVANTAGES AND CHARACTERISTICS

In comparison with the traditional slotted contact body, the reversed-clip design has several advantages:

- Smaller difference between insertion and extraction force
- Reduced dispersion of the force values
- Better redundancy at the level of the contact point, thanks to 6 or 8 contact fingers

We are also manufacturing the corresponding precision-machined pin contacts.

These contacts have successfully passed all the qualification tests according to AS39029 and are QPL listed.

TECHNICAL SPECIFICATIONS

Operating temperature range from -65 to +200°C

MATERIALS & PLATING

PIN CONTACT

• Material:	Machined brass C34500
• Overall finish:	Gold plated acc. to ASTM B488, Type II, C, min. 1.27 µm over 2.5 µm Ni
• Localized finish:	Contact area: Gold plated acc. to ASTM B488, Type II, C, min. 1.27 µm over 2.5 µm Ni Other surfaces: Gold plated acc. to ASTM B488, Type II, C, over 2.5 µm Ni

SOCKET CONTACT

SLEEVE

• Material:	Machined brass C34500
• Overall finish:	Gold plated acc. to ASTM B488, Type II, C, over 2.5 µm Ni

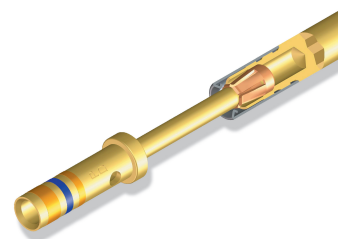
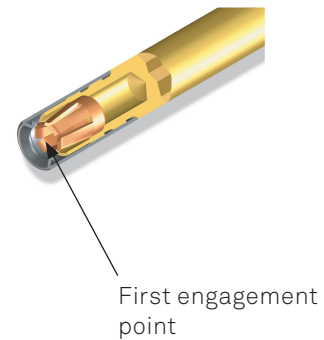
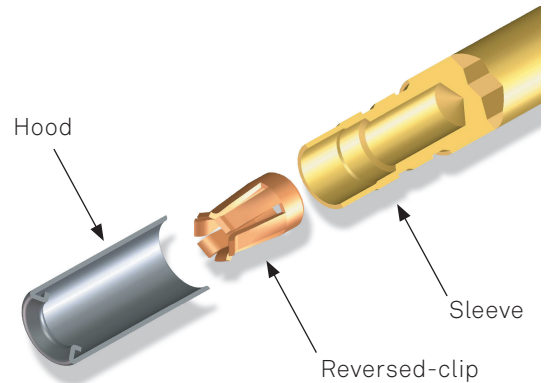
REVERSED CLIP

• Material:	BeCu C17200
• Overall finish:	Gold plated acc. to ASTM B488, Type II, C, min. 1.27 µm over 2.5 µm Ni

HOOD

• Material:	Corrosion-resistant steel
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EXPLODED VIEW OF SOCKET CONTACT





preci-dip

CONTACT TECHNOLOGY

MIL CONTACTS

LIST OF PART NUMBERS QUALIFIED PRODUCT LISTED

SOCKET CONTACTS

CONNECTOR TYPE ACC. TO	MIL P/N	PRECI-DIP P/N	SIZE
MIL-DTL-38999 Series I, III, IV	AS/M39029/56-348	83011-1P4-7010-B1	#22D
	AS/M39029/56-351	83021-1P4-7110-B1	#20
	AS/M39029/56-352	83031-1P4-7210-B1	#16
	AS/M39029/56-353	83041-1P4-7310-B1	#12
MIL-DTL-38999 Series II	AS/M39029/57-354	83101-7Q4-7010-B1	#22D
MIL-DTL-24308			
MIL-DTL-55302			
MIL-DTL-83733			
MIL-DTL-24308	AS/M39029/63-368 *	83121-7Q4-6110-01	#20
MIL-DTL-26482 Series 2	AS/M39029/5-115	83181-7Q4-7110-B1	#20
AS 81703 Series 3			
MIL-DTL-83723 Series 3	AS/M39029/5-116	83191-7Q4-7210-B1	#16
MIL-DTL-83733			
	AS/M39029/5-118	83151-7Q4-7310-B1	#12
MIL-DTL-26482 Series 1	AS/M39029/32-259	83161-7Q4-7110-B1	#20
MIL-DTL-26482 Series 1	AS/M39029/32-248	83171-7Q4-7210-B1	#16
MIL-DTL-26500			

* Eagle Grip Clip

PIN CONTACTS

CONNECTOR TYPE ACC. TO	MIL P/N	PRECI-DIP P/N	SIZE	
MIL-DTL-38999 Series I, II, III, IV	AS/M39029/58-360		#22D	
	MIL-DTL-24308	82011-7Q4-01		
	MIL-DTL-55302	AS/M39029/58-363		#20
	MIL-DTL-83733	AS/M39029/58-364	82021-7Q4-01	#16
	AS/M39029/58-365	82031-7Q4-01	#12	
	AS/M39029/58-366	82041-7Q4-01		
MIL-DTL-24308	AS/M39029/64-369		#20	
		82061-7Q4-01		
MIL-DTL-26482 Series 2	AS/M39029/4-110		#20	
AS 81703 Series 3		82071-7Q4-01		
MIL-DTL-83723 Series 3	AS/M39029/4-111		#16	
MIL-DTL-83733	AS/M39029/4-113	82081-7Q4-01	#12	
		82091-7Q4-01		
MIL-DTL-26482 Series 1	AS/M39029/31-240		#20	
		82051-7Q4-01		
MIL-DTL-26482 Series 1	AS/M39029/31-229		#16	
MIL-DTL-26500		82101-7Q4-01		

ENJOY THE BENEFITS

HEADED FOR SUCCESS

Awards from prestigious institutions and customers. Major certifications. World-wide recognition. For ongoing innovation, perfect teamwork, environmental responsibility as well as entrepreneurial excellence and sustained growth. In short, for swiss quality.

- Complete range of highly reliable interconnect components
- Diverse fields of application
- Effective management system
- In-house manufacturing –from raw material to finished product
- Highly skilled and motivated workforce
- Strong customer support
- Custom design
- Competitive pricing, flexibility and swiss quality
- Worldwide presence
- Prestigious client base

AROUND THE WORLD

More than 100 Distributors around the world distribute PRECI-DIP products across the five continents.



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