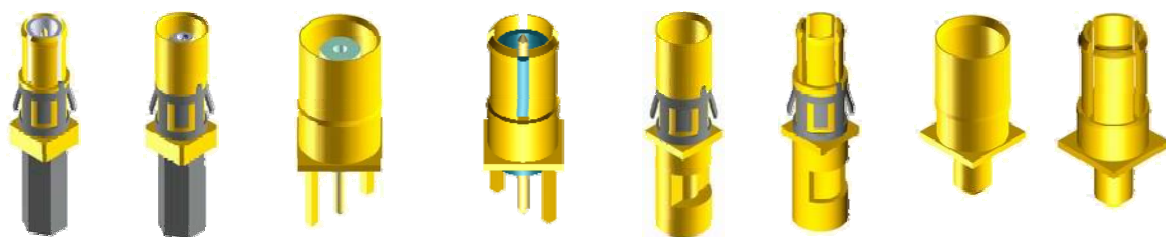
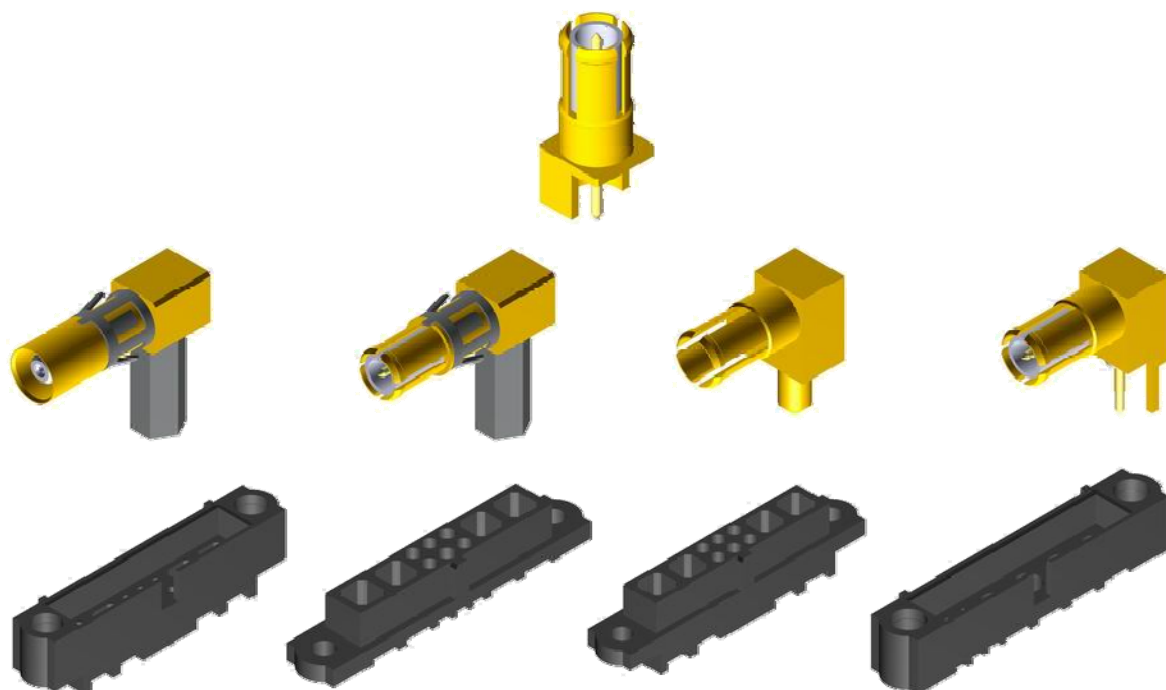


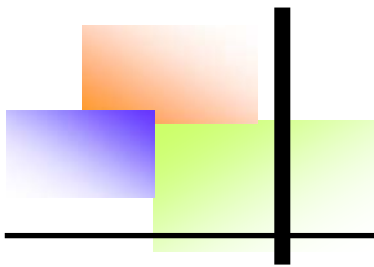
UNI EN ISO 9001 : 2008



RH80SERIES

Micro Connectors





UNI EN ISO 9001 : 2008

TECHNICAL FEATURES

MATERIALS

Insulator	: Fibreglass filled thermoplastic UL94V0
Contacts	: Male - copper alloy - tin / gold plated Female - copper alloy socket - gold plated Female - Be/Cu gold plated on inner contact
Fixing hardware	: Stainless steel

ELECTRICAL

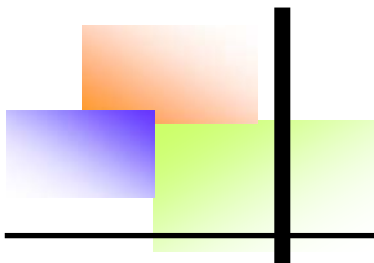
All contacts	: 3 A. max - 25°C 2,2 A. max - 85°
Working voltage	: 240V DC
Proof voltage	: 360V DC
Contact resistance	: max 10mOhm
Insulation resistance	: 1000 MOhm min

MECHANICAL

Operations	: 500 cycles min
Contact insertion force	: 2 N max / 0,2 N min
Contact retention in insulator	: 10 N min

ENVIRONMENTAL

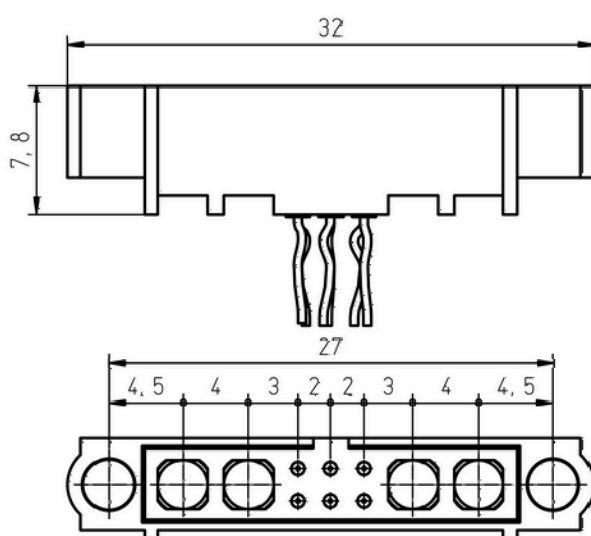
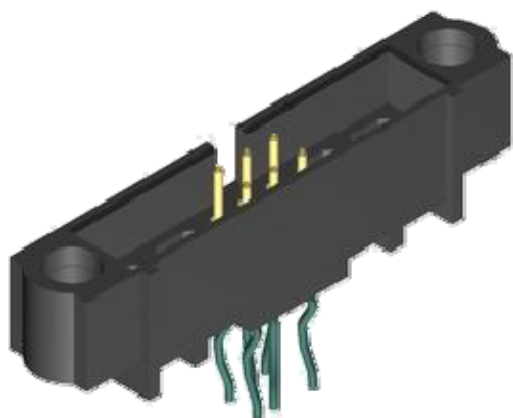
Operating temperature	: from -55°C to +125°C
-----------------------	------------------------



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Crimp Version

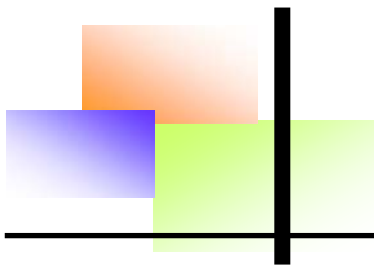


LOW FREQUENCY CONTACT - RH81 X

catalogue part number

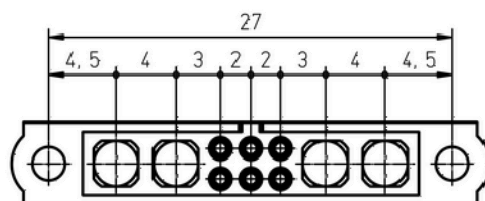
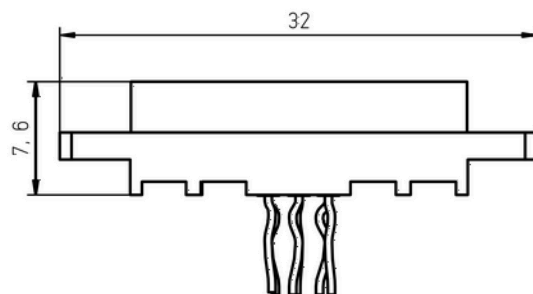
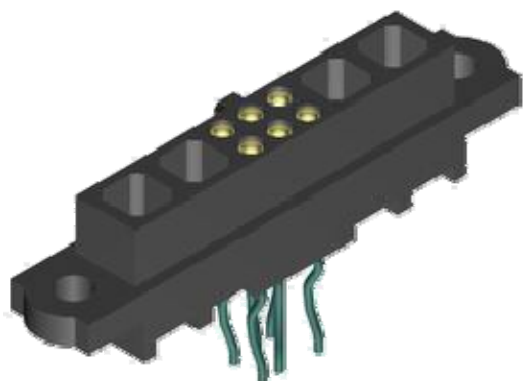
CRIMP 22 AWG = D

CRIMP 24-28 AWG = C



UNI EN ISO 9001 : 2008

Crimp Version

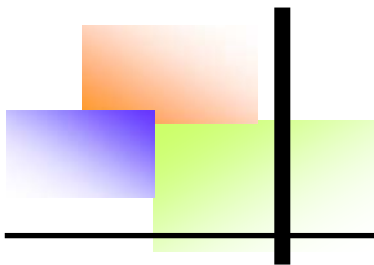


LOW FREQUENCY CONTACT - RH82 X

catalogue part number

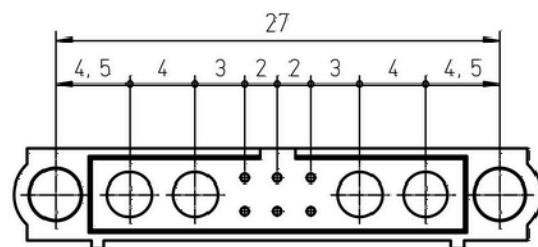
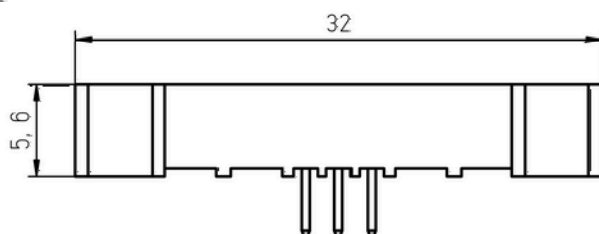
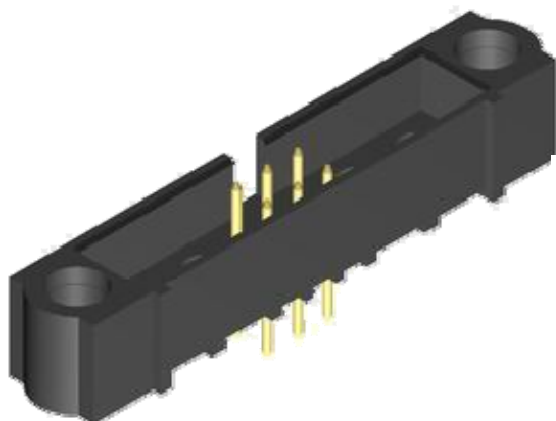
CRIMP 22 AWG = D

CRIMP 24-28 AWG = C



UNI EN ISO 9001 : 2008

PCB Version



LOW FREQUENCY CONTACT - RH81 X

catalogue part number

PBC STRAIGHT - 1,6 = T

PBC STRAIGHT - 3,2 = V

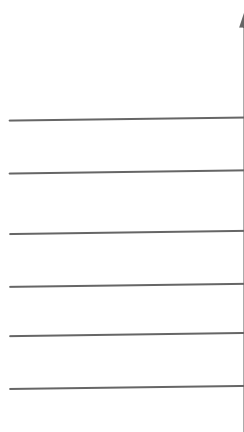
PBC 90° - 1,6 = L

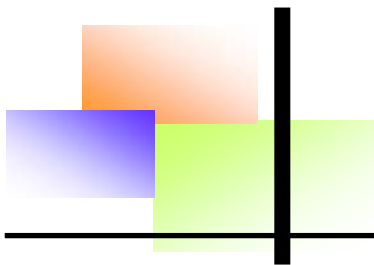
PBC 90° - 3,2 = K

SMD STRAIGHT = S

SMD 90° = R

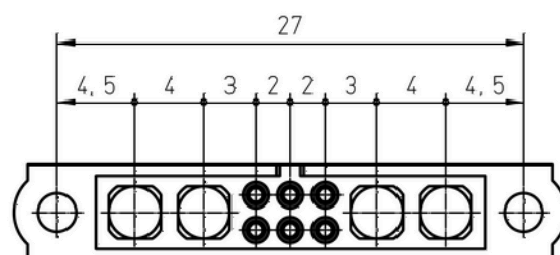
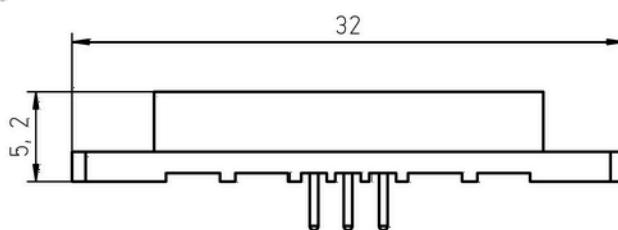
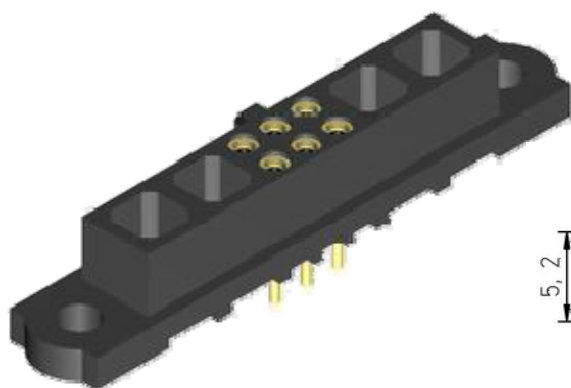
PRESFIT = F





UNI EN ISO 9001 : 2008

PCB Version



LOW FREQUENCY CONTACT - RH82 X

catalogue part number

PBC STRAIGHT - 1,6 = T

PBC STRAIGHT - 3,2 = V

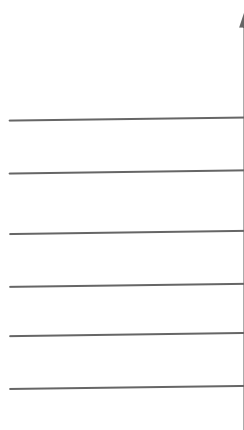
PBC 90° - 1,6 = L

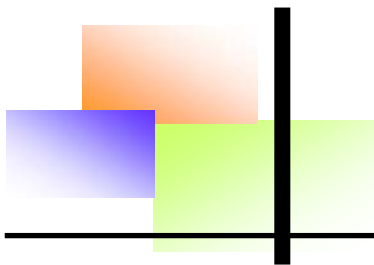
PBC 90° - 3,2 = K

SMD STRAIGHT = S

SMD 90° = R

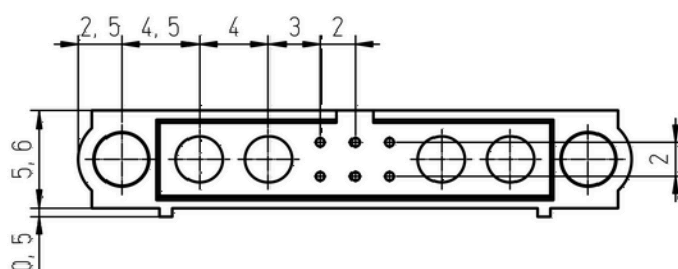
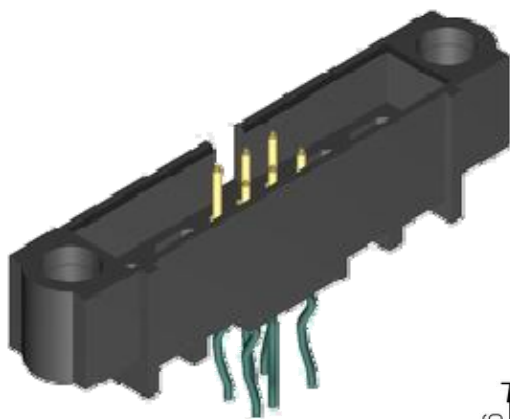
PRESFIT = F





UNI EN ISO 9001 : 2008

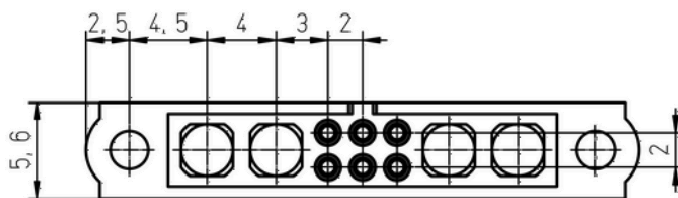
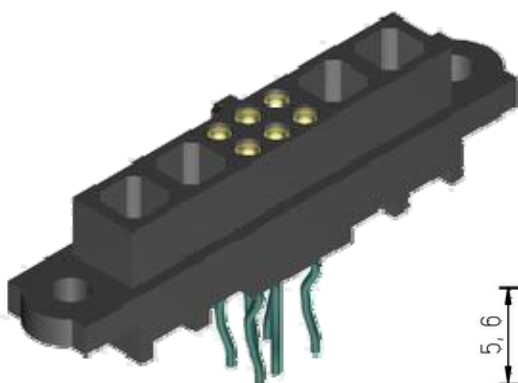
Crimp Version



LOW FREQUENCY CONTACT - RH81 _ XX _ _ _ _

catalogue part number

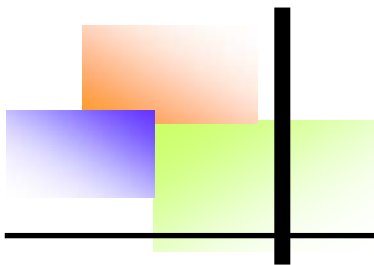
Number of contacts



LOW FREQUENCY CONTACT - RH82 _ XX _ _ _ _

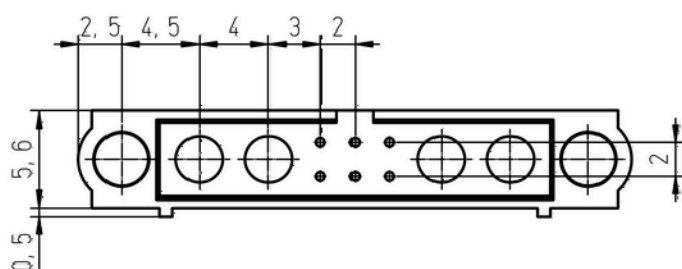
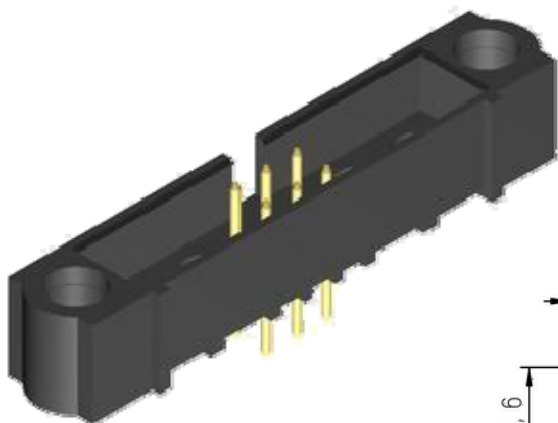
catalogue part number

Number of contacts



UNI EN ISO 9001 : 2008

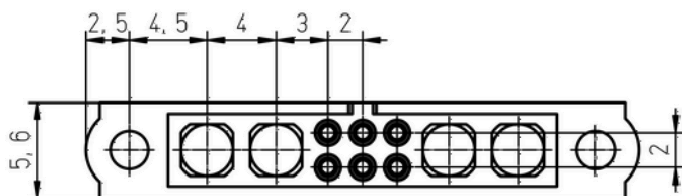
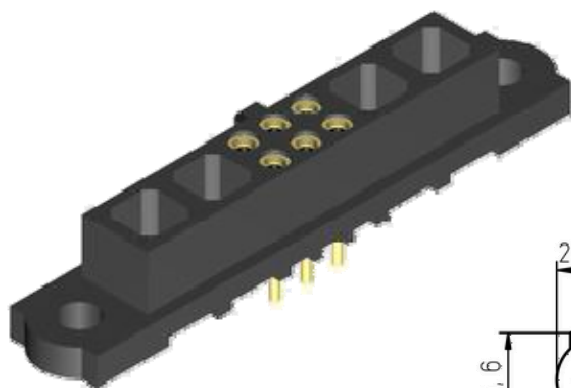
PCB Version



LOW FREQUENCY CONTACT - RH81 _ XX _ _ _ _

catalogue part number

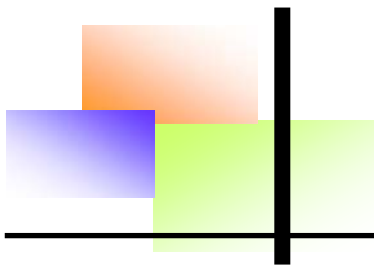
Number of contacts



LOW FREQUENCY CONTACT - RH82 _ XX _ _ _ _

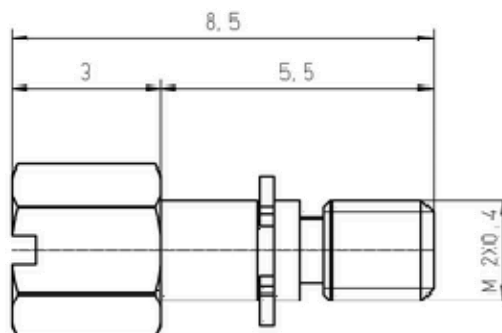
catalogue part number

Number of contacts



UNI EN ISO 9001 : 2008

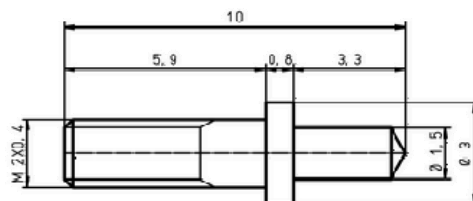
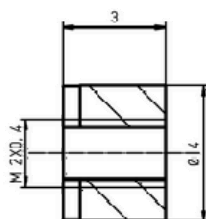
Jackscrew



FIXING STYLE - RH82 _ _ _ X _ _ _

catalogue part number

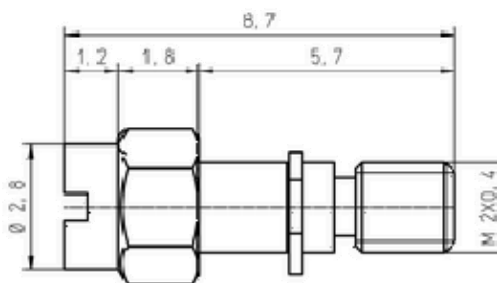
Jack screw - 5,5 mm = A



FIXING STYLE - RH82 _ _ _ X _ _ _

catalogue part number

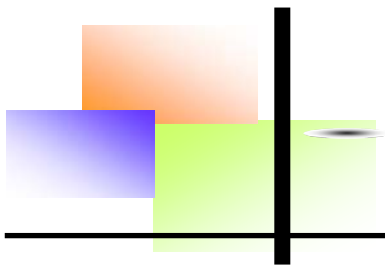
Guide diam. 4 mm = B



FIXING STYLE - RH82 _ _ _ X _ _ _

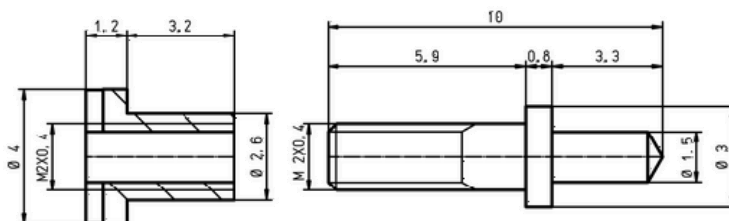
catalogue part number

Jack screw - 5,7 mm = C



UNI EN ISO 9001 : 2008

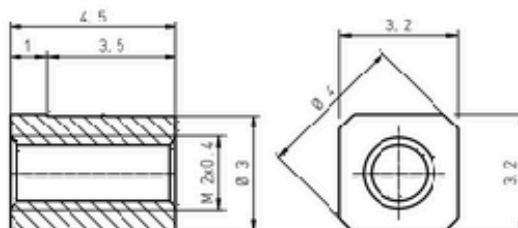
Jackscrew



FIXING STYLE - RH82 _ _ _ X

catalogue part number

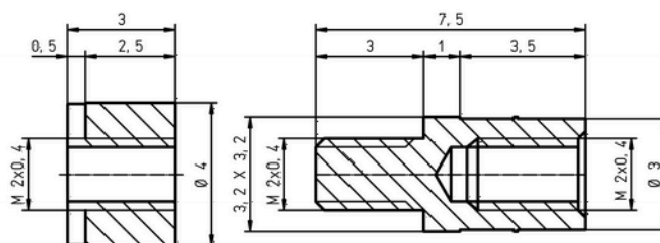
Guide diam. 2,6 mm = D



FIXING STYLE - RH81 _ _ _ X

catalogue part number

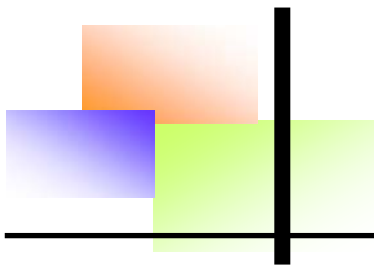
Hexag. Female screw = E



FIXING STYLE - RH81 _ _ _ X

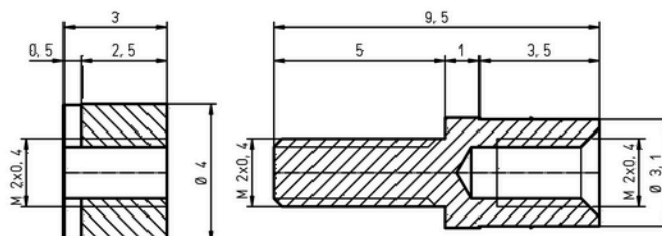
catalogue part number

Female PBC 1,6 mm = F



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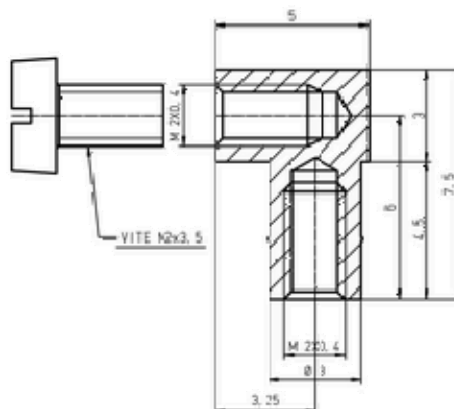
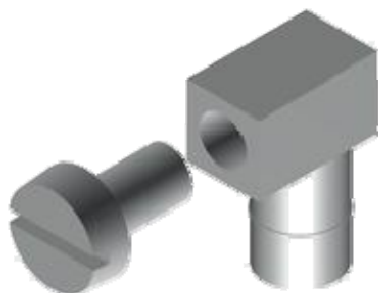
Jackscrew



FIXING STYLE - RH81 _ _ _ X _ _ _

catalogue part number

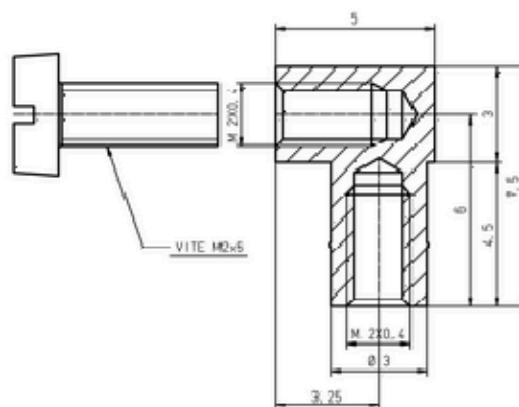
Female PBC 1,6/3,2 mm = G



FIXING STYLE - RH81 _ _ _ X _ _ _

catalogue part number

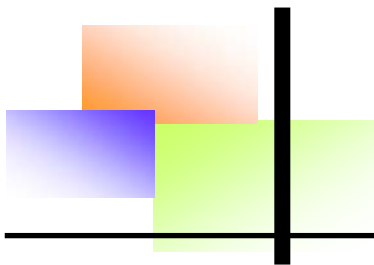
Female 90° PBC 1,6 mm = H



FIXING STYLE - RH81 _ _ _ X _ _ _

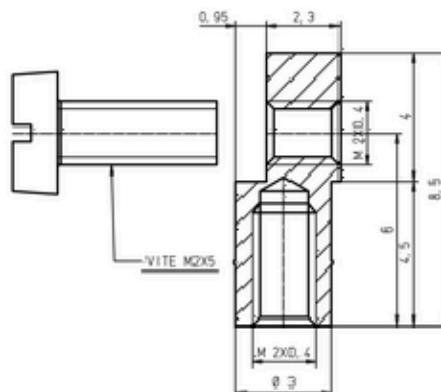
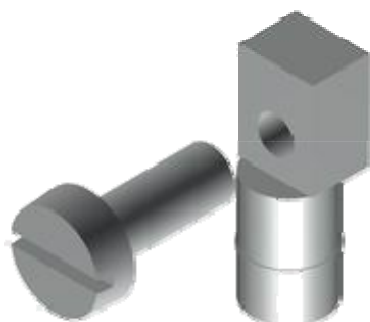
catalogue part number

Female 90° PBC 1,6/3,2 mm = I



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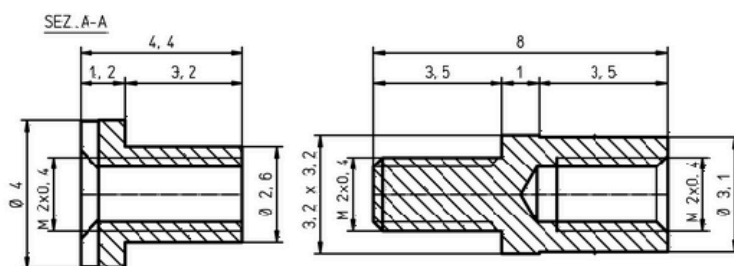
Jackscrew



FIXING STYLE - RH81 _ _ _ X _ _ _

catalogue part number

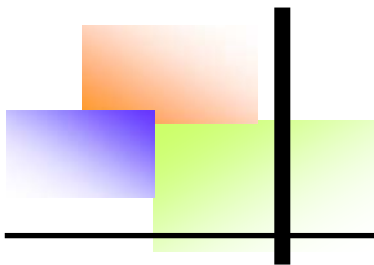
Female SMD = L



FIXING STYLE - RH81 _ _ _ X _ _ _

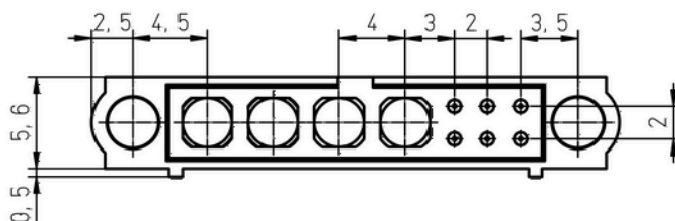
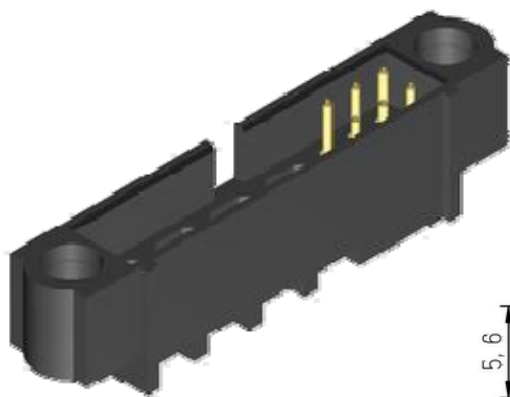
catalogue part number

Female diam. 2,6 mm = M



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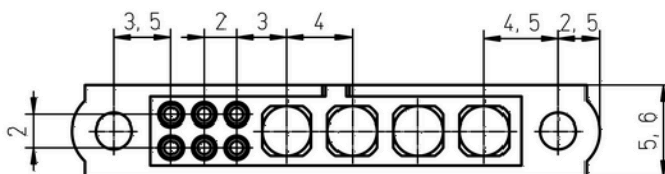
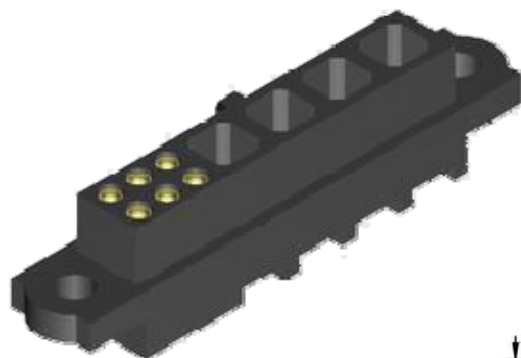
Crimp Version



CONTACT CONFIGURATION - RH81 _ _ _ _ XX _ _

catalogue part number

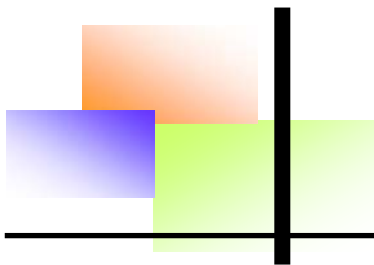
Example Male right side = 04



CONTACT CONFIGURATION - RH82 _ _ _ _ XX _ _

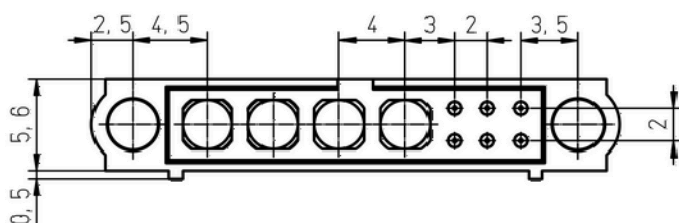
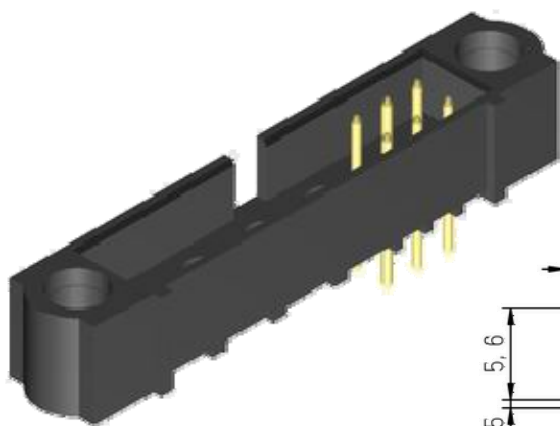
catalogue part number

Example Female left side = 04



UNI EN ISO 9001 : 2008

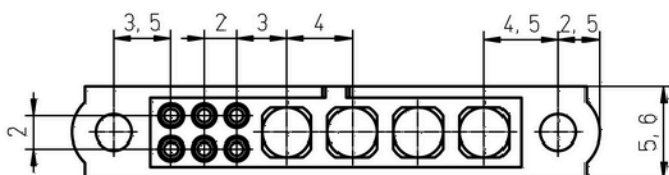
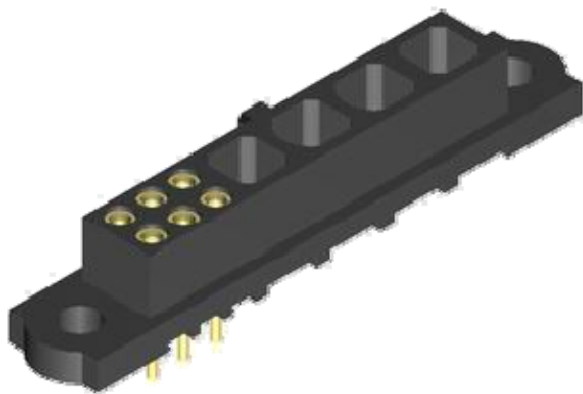
PCB Version



CONTACT CONFIGURATION - RH81 _ _ _ _ XX _ _

catalogue part number

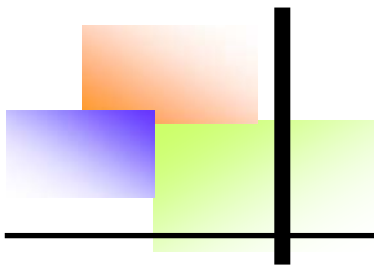
Example Male right side = 04



CONTACT CONFIGURATION - RH82 _ _ _ _ XX _ _

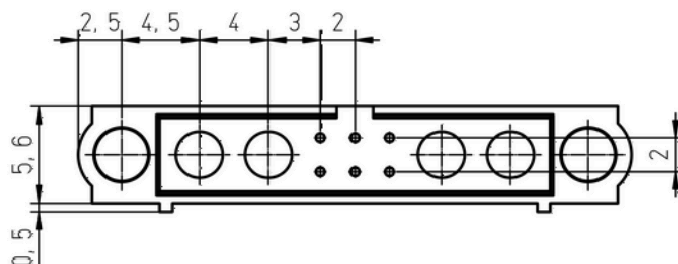
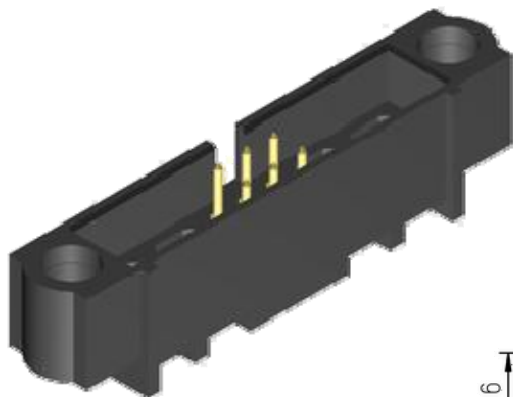
catalogue part number

Example Female left side = 04



UNI EN ISO 9001 : 2008

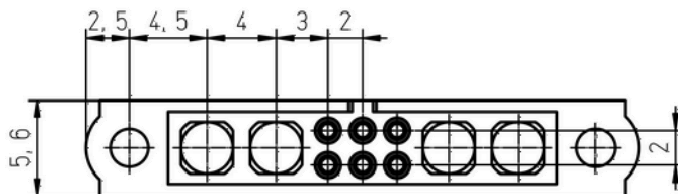
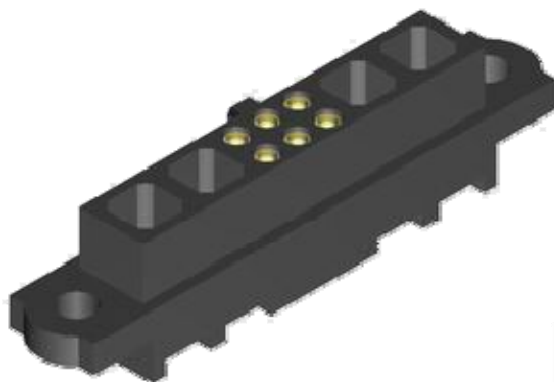
Crimp Version



CONTACT CONFIGURATION - RH81 _ _ _ _ XX _ _

catalogue part number

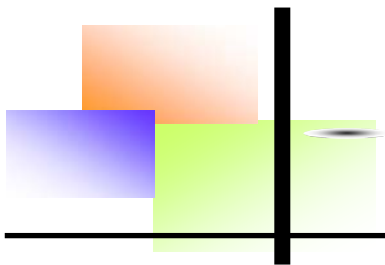
Example Male = 22



CONTACT CONFIGURATION - RH82 _ _ _ _ XX _ _

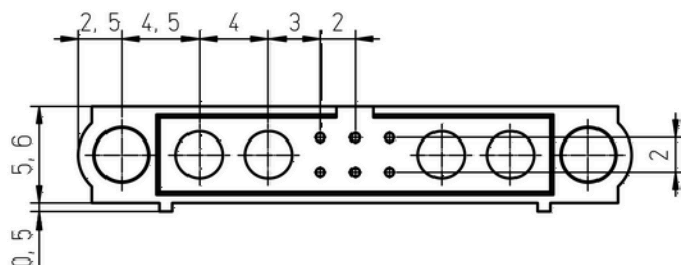
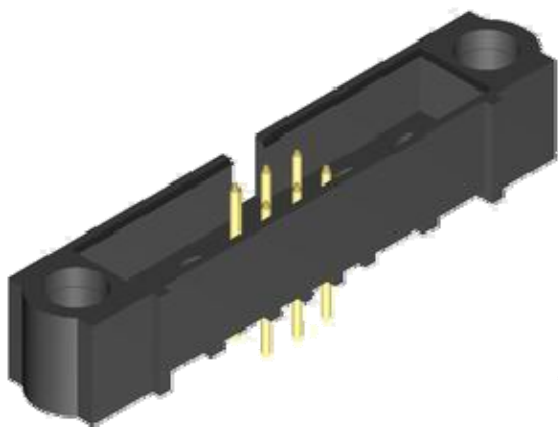
catalogue part number

Example Female = 22



UNI EN ISO 9001 : 2008

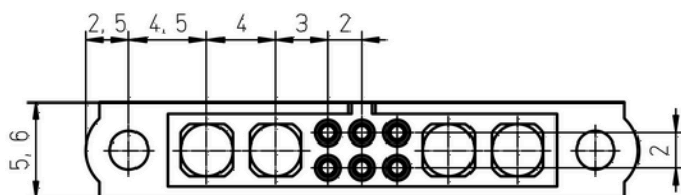
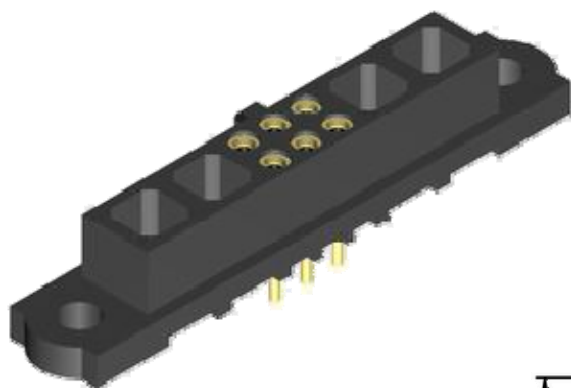
PCB Version



CONTACT CONFIGURATION - RH81 _ _ _ XX _ _

catalogue part number

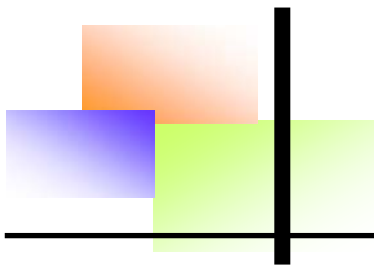
Example Male = 22



CONTACT CONFIGURATION - RH82 _ _ _ XX _ _

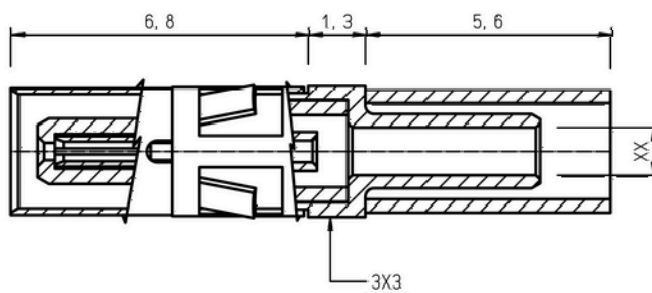
catalogue part number

Example Female = 22



UNI EN ISO 9001 : 2008

Cable Assembling



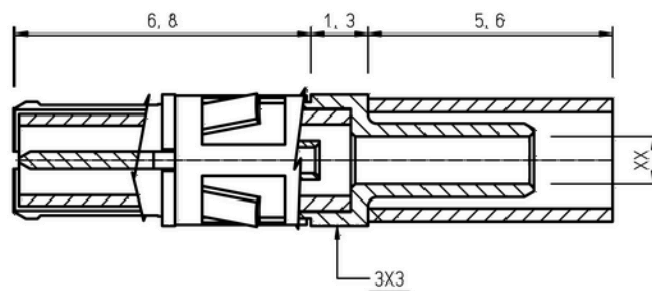
Coax contact - RH82 _ _ _ _ _ XX

catalogue part number

FOR DIAM. 2 = C4

FOR DIAM. 2,4 = C5

FOR DIAM. 2,7 = C6



Coax contact - RH81 _ _ _ _ _ XX

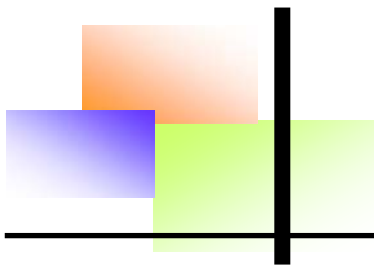
catalogue part number

FOR DIAM. 2 = C1

FOR DIAM. 2,4 = C2

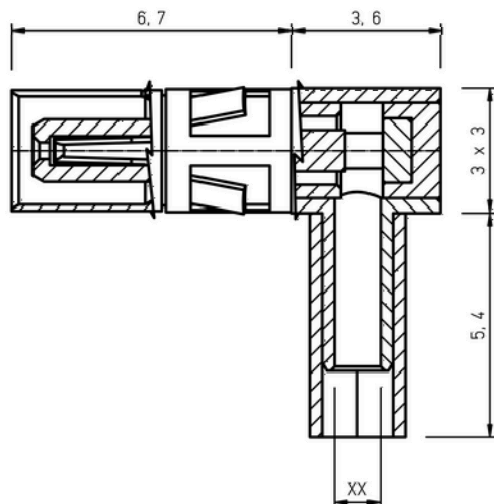
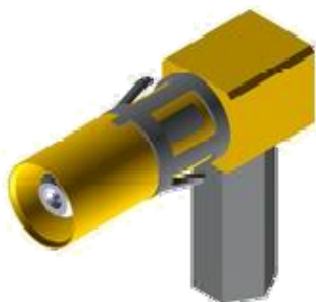
FOR DIAM. 2,7 = C3





UNI EN ISO 9001 : 2008

Cable Assembling



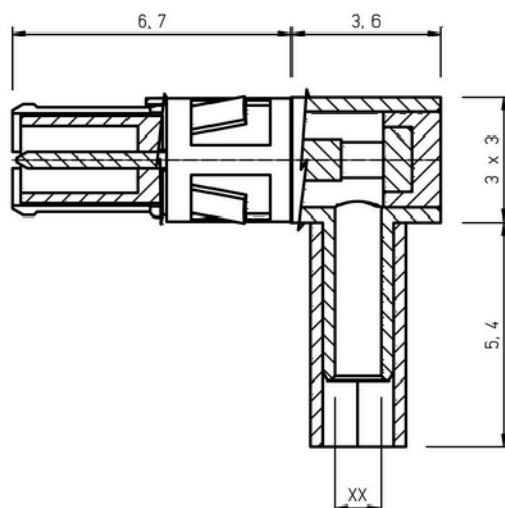
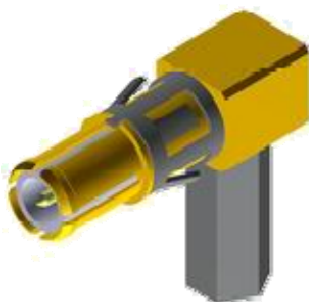
Coax contact - RH82 _ _ _ _ _ XX

catalogue part number

FOR DIAM. 2 = B4

FOR DIAM. 2,4 = B5

FOR DIAM. 2,7 = B6



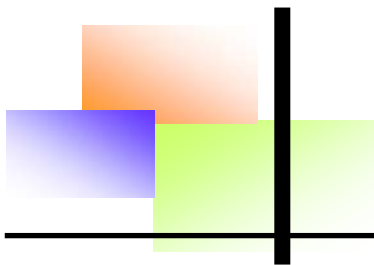
Coax contact - RH81 _ _ _ _ _ XX

catalogue part number

FOR DIAM. 2 = B1

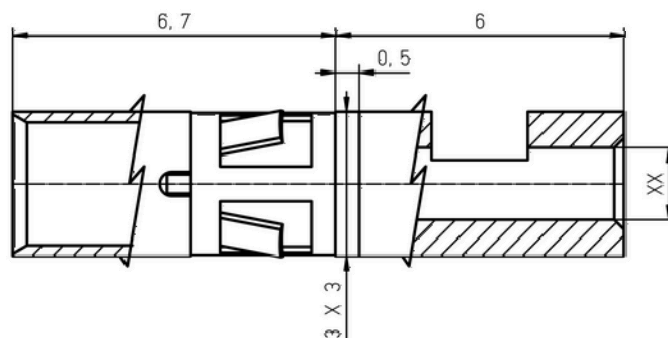
FOR DIAM. 2,4 = B2

FOR DIAM. 2,7 = B3



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Cable Assembling



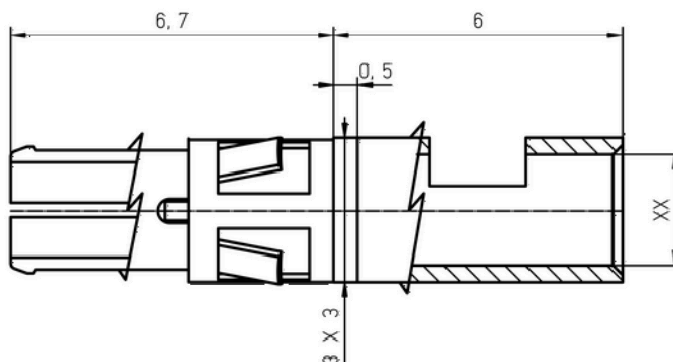
Power contact - RH82 _ _ _ _ _ XX

catalogue part number

FOR AWG 16 = L4

FOR AWG 14 = L5

FOR AWG 12 = L6



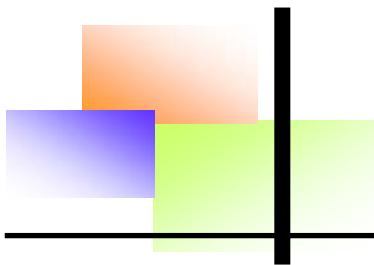
Power contact - RH81 _ _ _ _ _ XX

catalogue part number

FOR AWG 16 = L1

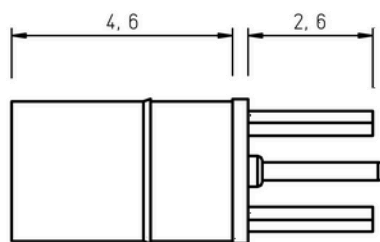
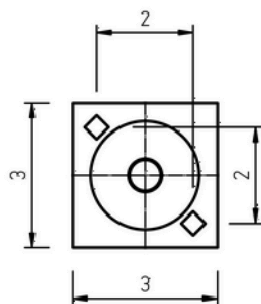
FOR AWG 14 = L2

FOR AWG 12 = L3



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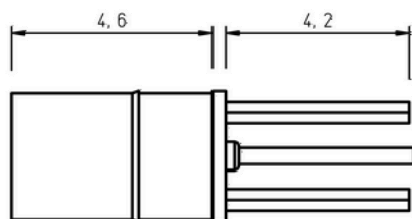
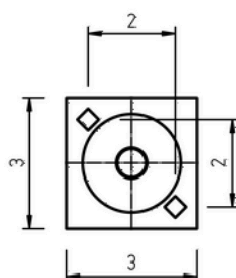
PCB Series



Coax contact - RH82 _ _ _ _ _ **XX**

catalogue part number

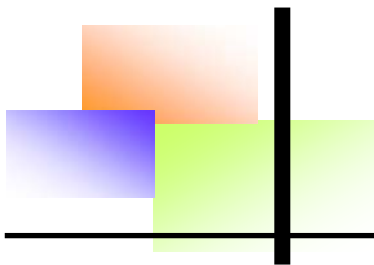
PBC STRAIGHT - 2,6 = D1



Coax contact - RH82 _ _ _ _ _ **XX**

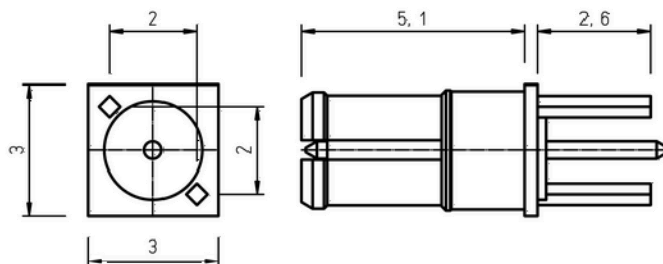
catalogue part number

PBC STRAIGHT - 4,2 = D2



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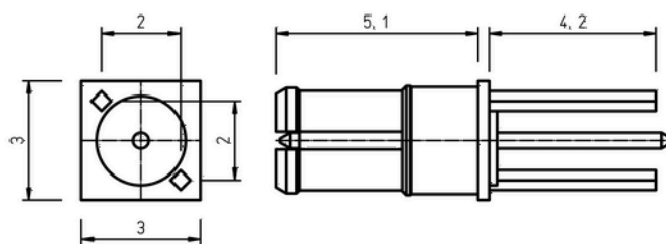
PCB Series



Coax contact - RH81 _ _ _ _ _ XX

catalogue part number

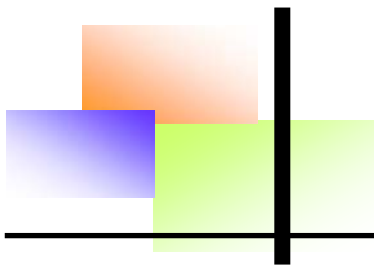
PBC STRAIGHT - 2,6 = D5



Coax contact - RH81 _ _ _ _ _ XX

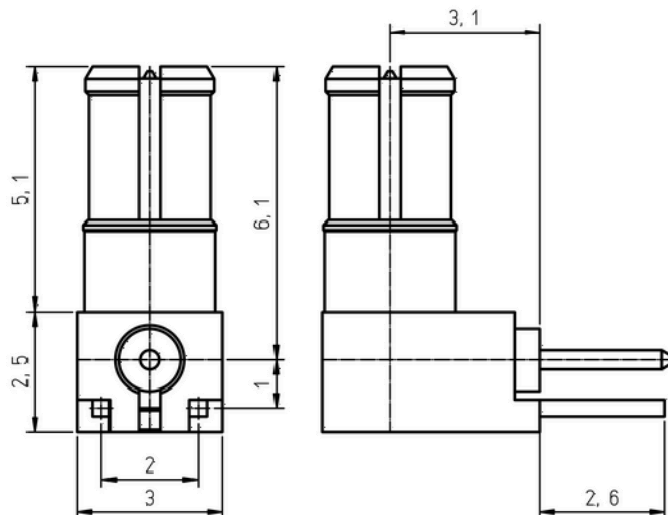
catalogue part number

PBC STRAIGHT - 4,2 = D6



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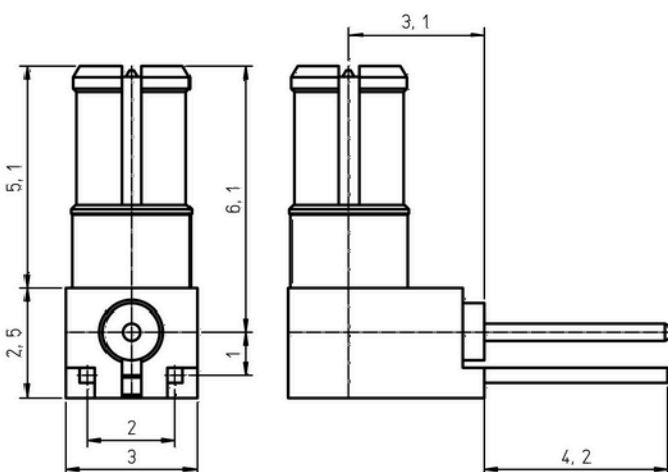
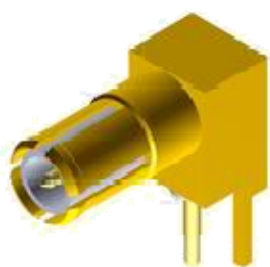
PCB Series



Coax contact - RH81 _ _ _ _ _ XX

catalogue part number

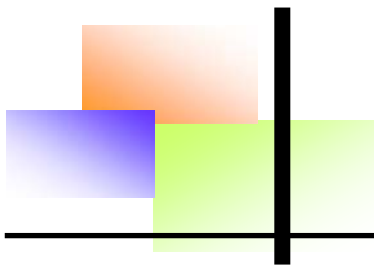
PBC 90° - 2,6 = D3



Coax contact - RH81 _ _ _ _ _ XX

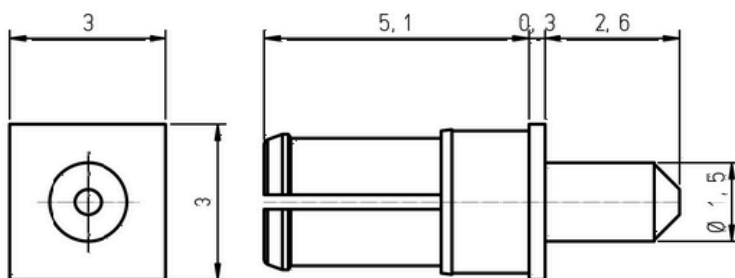
catalogue part number

PBC 90° - 4,2 = D4



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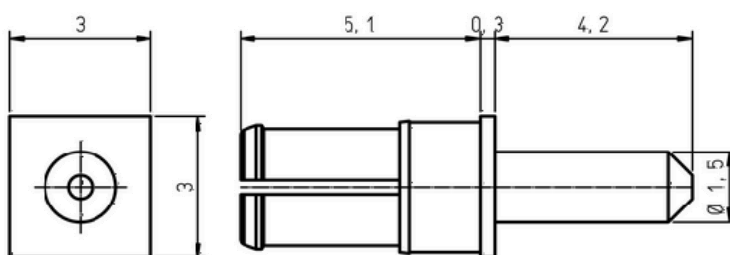
PCB Series



Power contact - RH81 _ _ _ _ _ XX

catalogue part number

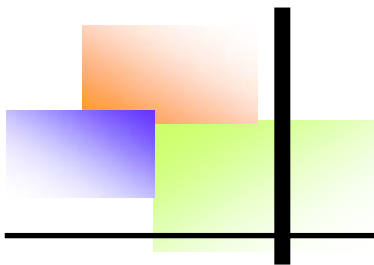
PBC STRAIGHT - 2,6 = S3



Power contact - RH81 _ _ _ _ _ XX

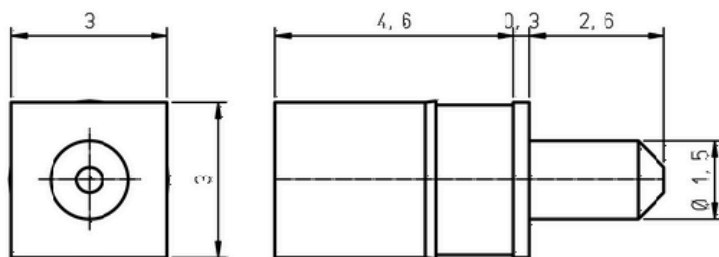
catalogue part number

PBC STRAIGHT - 4,2 = S4



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PCB Series

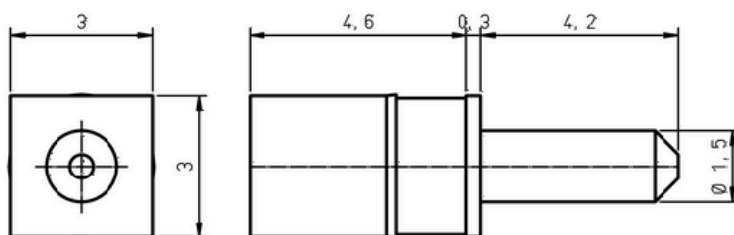


Power contact - RH82 _ _ _ _ _ XX

catalogue part number

PBC STRAIGHT - 2,6 = S5

XX

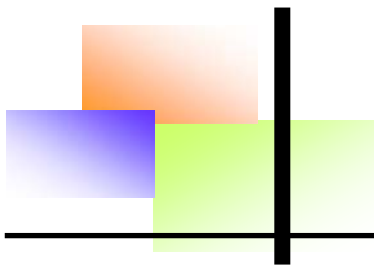


Power contact - RH82 _ _ _ _ _ XX

catalogue part number

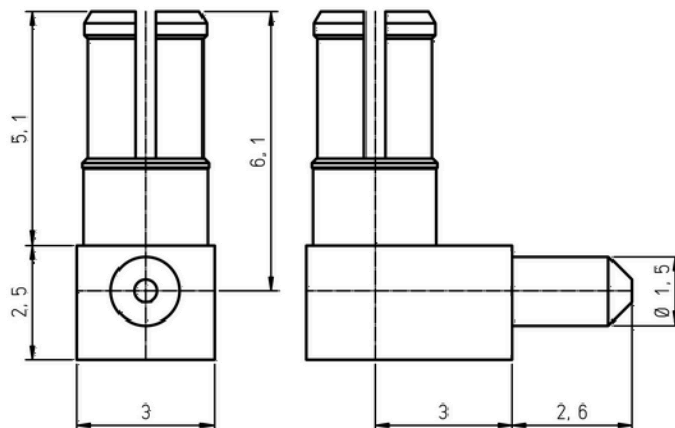
PBC STRAIGHT - 4,2 = S6

XX



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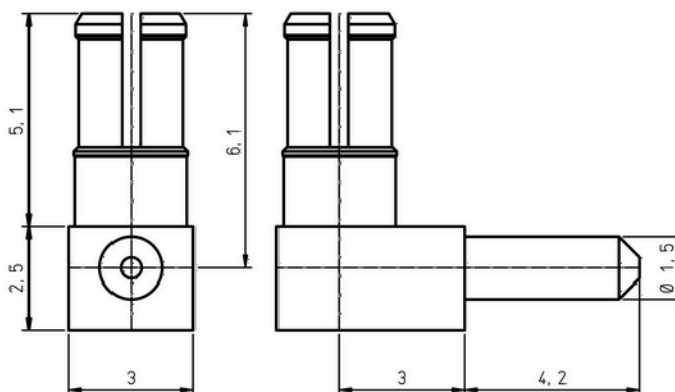
PCB Series



Power contact - RH81 _ _ _ _ _ XX

catalogue part number

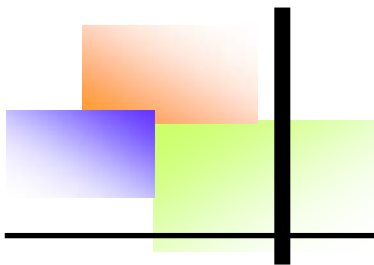
PBC 90° - 2,6 = S1



Power contact - RH81 _ _ _ _ _ XX

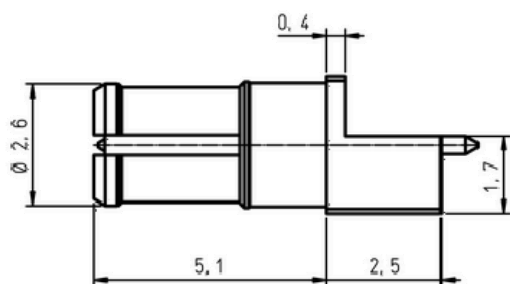
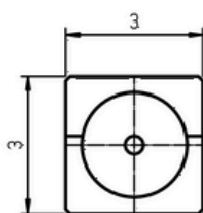
catalogue part number

PBC 90° - 4,2 = S2



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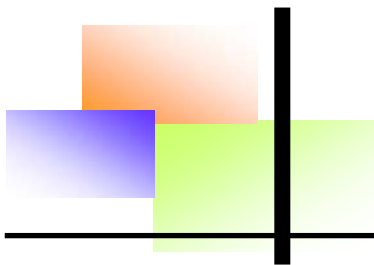
SMT Series



Coax contact - RH81 _ _ _ _ XX

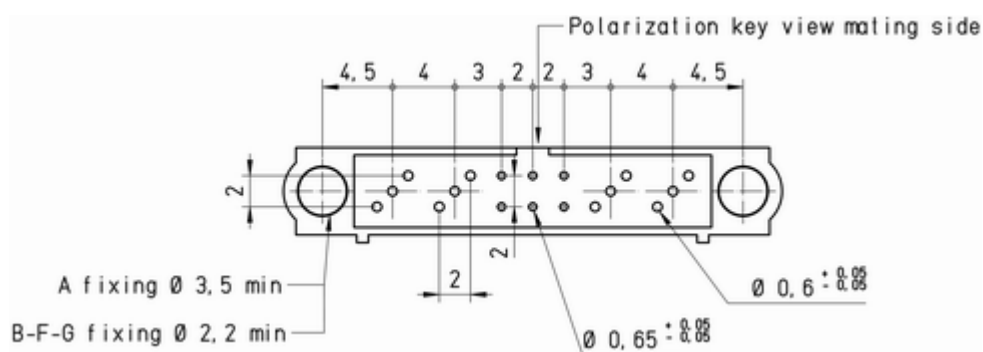
catalogue part number

PBC SMT = S7

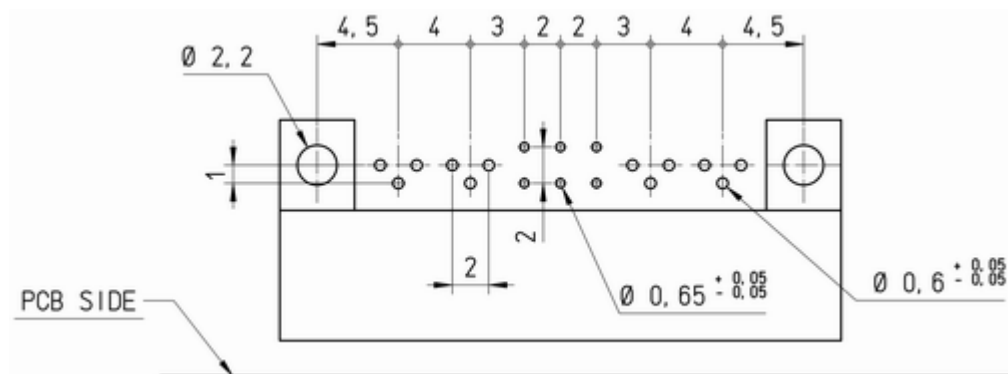


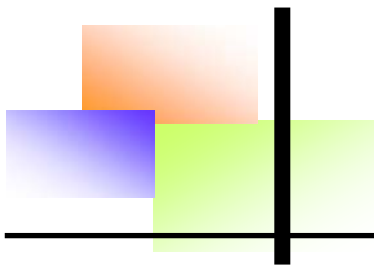
UNI EN ISO 9001 : 2008

PBC LAY OUT FOR MIXED (signal and coax)



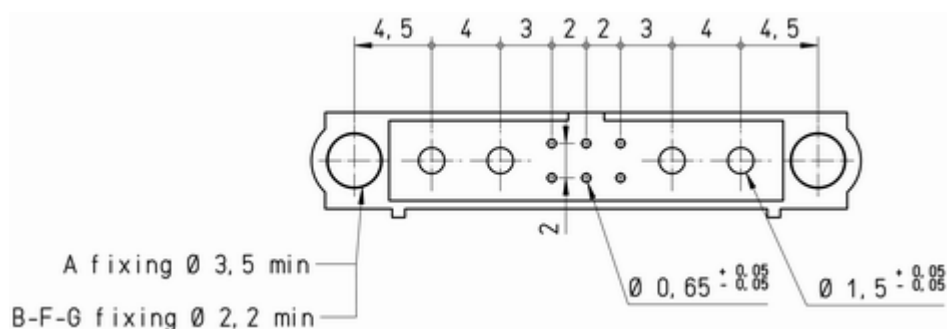
PBC LAY OUT FOR MIXED (signal and coax 90°)



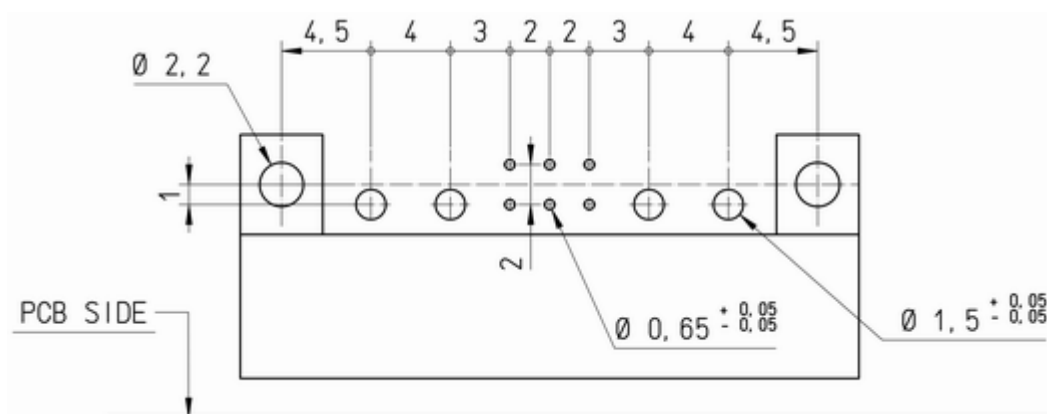


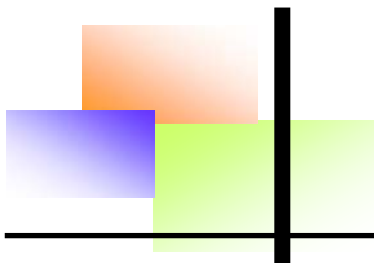
UNI EN ISO 9001 : 2008

PBC LAY OUT FOR MIXED (signal and high power)

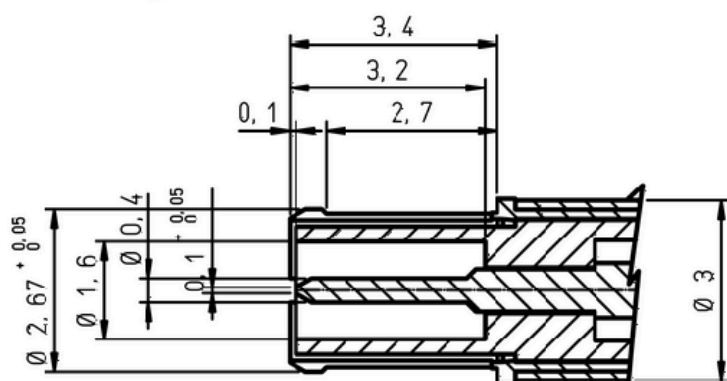
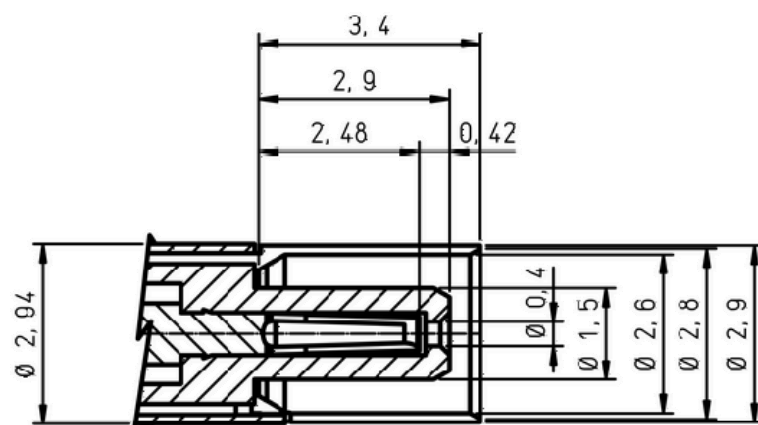
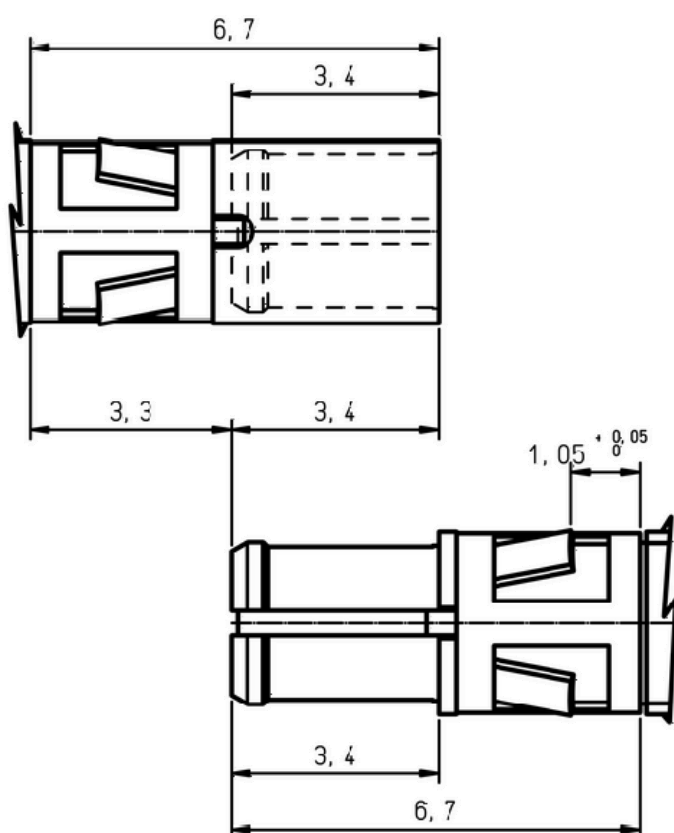


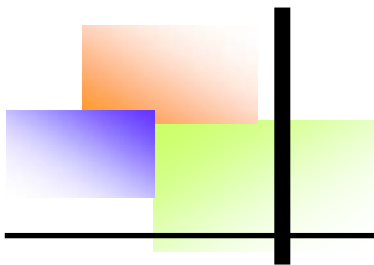
PBC LAY OUT FOR MIXED (signal and high power 90°)





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SPECIAL CONTACTS

TECHNICAL FEATURES

MATERIALS

Spring loaded parts	: Be/Cu gold plated
Other metallic parts	: Copper alloy
Insulator	: PTFE
Retaining Clip	: Be/Cu Ni plated

MECHANICAL

Endurance	: 500 cycles
Insertion	: From 0.60 to 5 N for contact
Withdrawal force	: From 0.60 to 2 N for contact

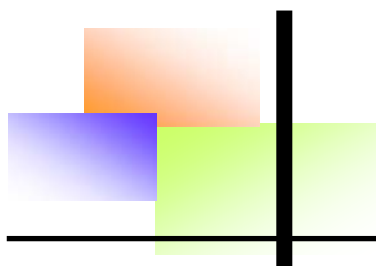
Contact replacement in insulator	: 5 times
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ELECTRICAL

Impedance	: 50 Ω
Contact resistance	: max. 6 m Ω
Maximum voltage (sea level)	: 1000 V (RMS)
Operating voltage (sea level)	: 180 V AC/500 mA
Insulation resistance	: 10 ⁶ M Ω /250 V (RMS)
Frequency range	: 6 GHz (depending on cable)
Current rating	: at 25°C 20A. Max

ENVIRONMENTAL

Operating temperature	: from -55°C to +125°C
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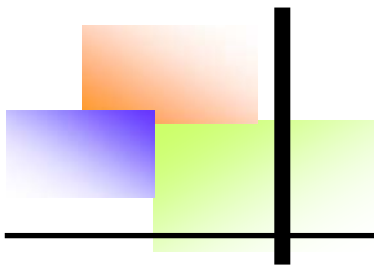
SPECIAL CONTACTS

SUMMARY TABLE OF CONTACT

MIL C 17D ref.	NF CCTU 10.01A	EXTERNAL cable	CONTACTS ref.	CABLE entry
RG 178	KX 21 A	2	C4	CRIMPED
RG 178	KX 21 A	2	C1	CRIMPED
RG 178	KX 21 A	2	B4	CRIMPED
RG 178	KX 21 A	2	B1	CRIMPED

COAX CABLES

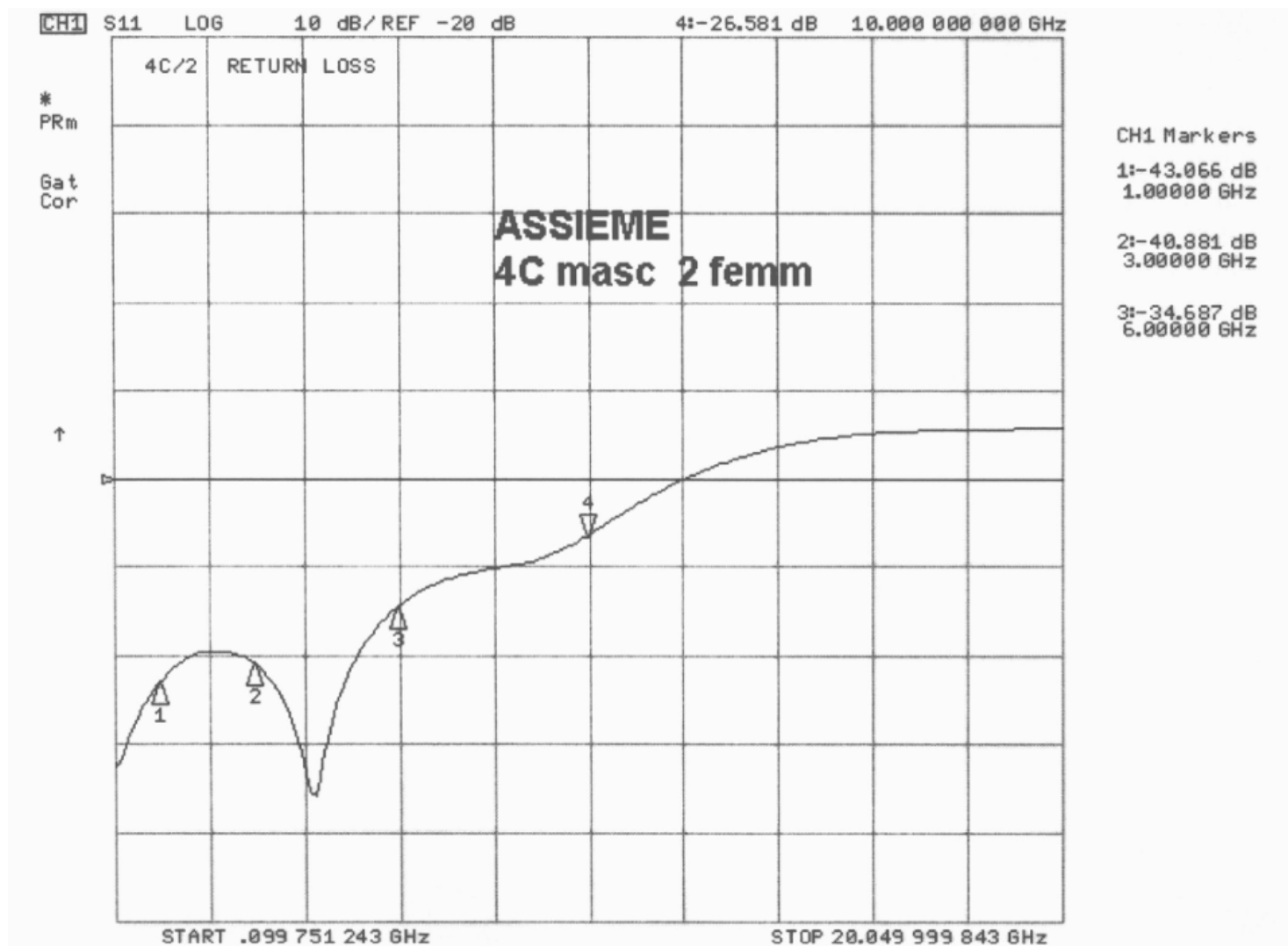
RG 316	KX 22 A	2.6	C5 B2	CRIMPED
RG 316	KX 22 A	2.6	C6 B3	CRIMPED
RG 316	KX 22 A	2.6	C2 B5	CRIMPED
RG 316	KX 22 A	2.6	C3 B6	CRIMPED
RG 174	KX 3 A	2.6	C5 B2	CRIMPED
RG 174	KX 3 A	2.6	C6 B3	CRIMPED
RG 174	KX 3 A	2.6	C2 B5	CRIMPED
RG 174	KX 3 A	2.6	C3 B6	CRIMPED
RG 179	(75 Ohm)	2.6	C5 B2	CRIMPED
RG 179	(75 Ohm)	2.6	C6 B3	CRIMPED
RG 179	(75 Ohm)	2.6	C2 B5	CRIMPED
RG 179	(75 Ohm)	2.6	C3 B6	CRIMPED

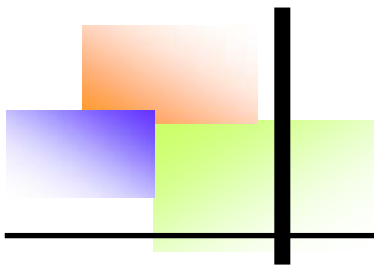


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SPECIAL CONTACTS

TECHNICAL FEATURES

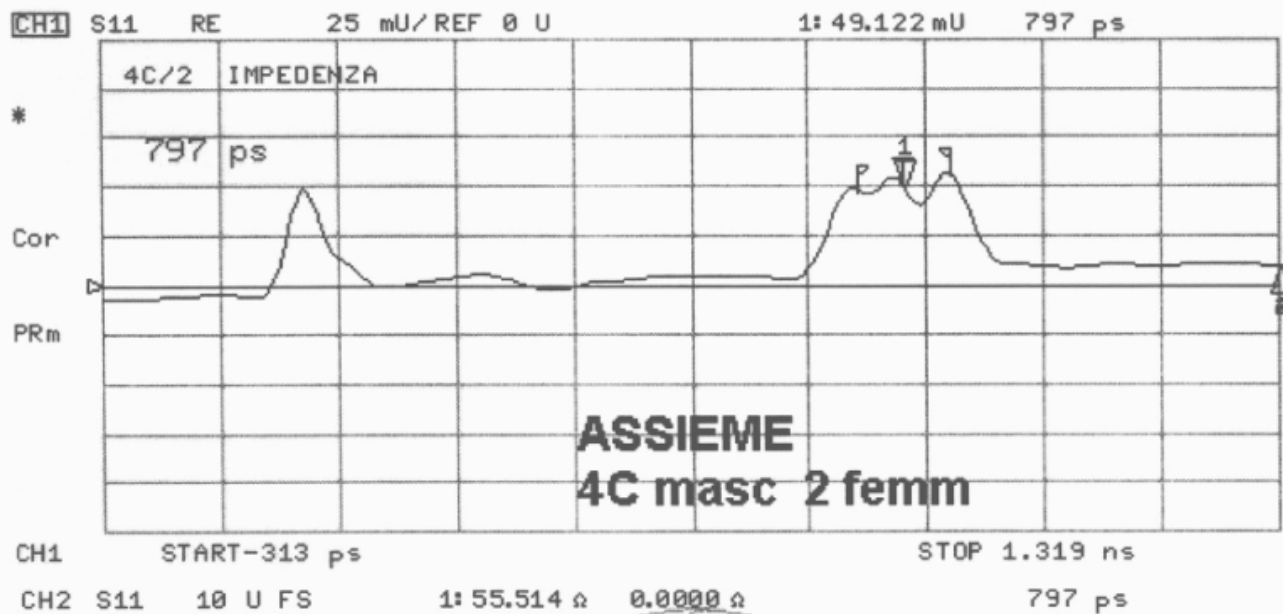




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SPECIAL CONTACTS

TECHNICAL FEATURES



CH1 Markers

2: 8.2932 mU
1.319 ns

3: 8.2932 mU
1.319 ns

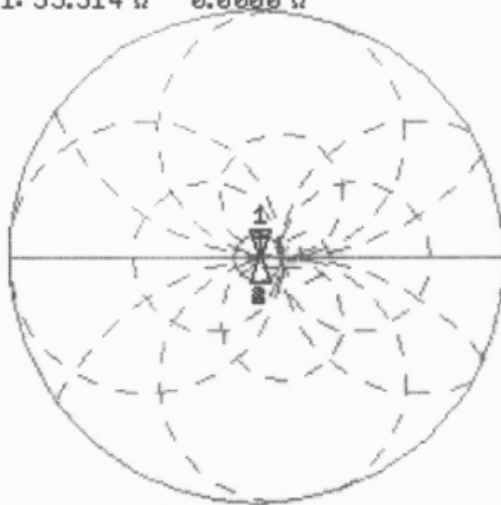
4: 8.2932 mU
1.319 ns

Smo

Cor

PRm

↑



CH2 Markers

2: 51.426 Ω
0.0000 Ω
1.311 ns

3: 51.426 Ω
0.0000 Ω
1.311 ns

4: 51.426 Ω
0.0000 Ω
1.311 ns



Rivenditore:

Sede Operativa: Viale A. De Gasperi 101/103 - 20017 Mazzo di Rho (Mi)



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