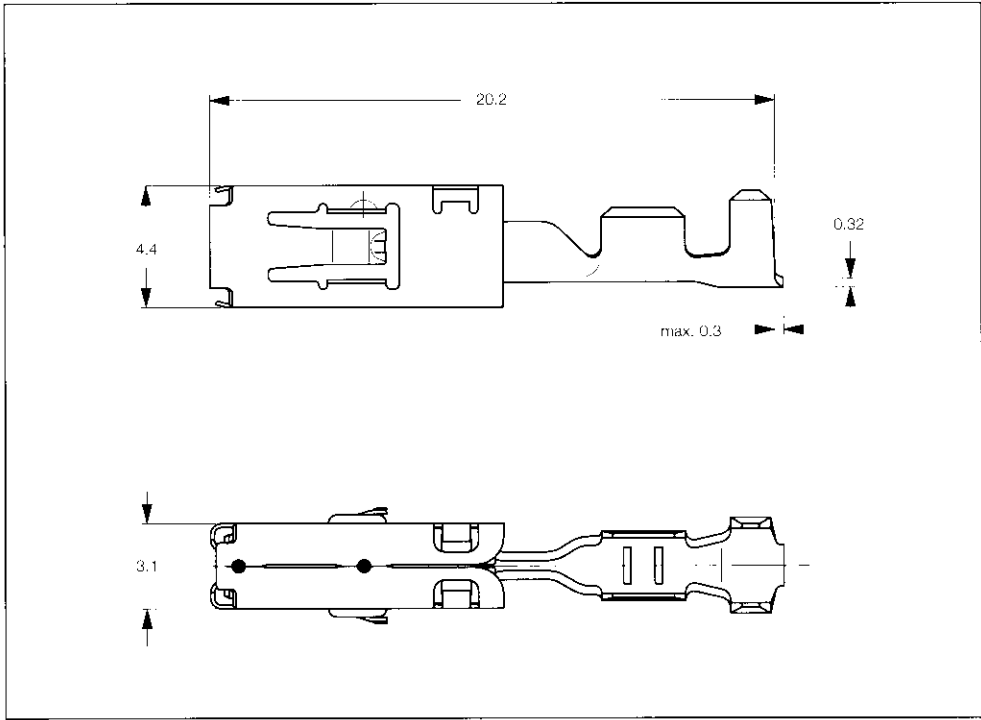


Receptacle Contacts

Technical Features

- Material:**
Contact: CuNiSi
Tabs: CuSn4, CuFe2
Top Spring: Stainless Steel
- Contact Finish:**
Tin plated, selective silver plated,
selective gold plated
- Wire Size Range:**
0.2–0.5 mm², 0.5–1.0 mm²,
1.0–2.5 mm², 2.5–4.0 mm²
Single Wires (FLR)
2.5–4.0 mm² Single Wires (FLK)
- Current Carrying Capacity:**
up to 40 Ampere
(at 20 °C ambient temperature)
- Temperature Range:**
–40 °C ... +130 °C (tin plated)
–40 °C ... +150 °C (silver plated)
–40 °C ... +150 °C (gold plated)
- Modular Dimensions
(Centerline):**
0.35–2.5 mm² SRC:
– 5.0 x 5.5 mm
– 5.0 x 5.0 mm (Staggered)
2.5–4.0 mm² SRC:
– 5.5 x 5.5 mm
– 5.0 x 5.5 mm (Staggered)
2.5–4.0 mm² SWS:
– 7.2 x 7.2 mm
– 6.0 x 7.2 mm (Staggered)



- Contact Resistance:**
New State ≤2 mΩ
- Mating Force:**
Max. 6 N
- Unmating Force:**
Max. 4 N
- Mating Cycles:**
up to 20 cycles (tin plated)
up to 50 cycles (silver plated)
up to 100 cycles (gold plated)
- Dimension of Male Contacts:**
2.8 ±0.1 x 0.8 ±0.03 mm
3.0 ±0.1 x 0.8 ±0.03 mm
- Extraction Tool:**
Part No. 539969-1
- Product Specification:**
108-18513
- Application Specification:**
114-18148

Standard Receptacle Contacts (SRC)

Wire Size Range (mm ²)	Insulation Diameter		Material and Finish *	Part Numbers					
	FLK (mm)	FLR (mm)		Strip Form	Packaging Unit	Loose-Piece	Packaging Unit	Applicator *	Hand Tool Complete
0.2–0.5	–	1.2–1.4	1-xxx-1 / 1-xxx-3	968880	4,500	968895	500	x-541562-x	539721-2
0.5–1.0	–	1.4–2.1	1-xxx-1 / 1-xxx-2 / 1-xxx-3	968849	4,500	968872	500	x-541535-x	539722-2
1.0–2.5	–	2.2–3.0	1-xxx-1 / 1-xxx-2 / 1-xxx-3	968851	3,500	968873	500	x-541536-x	539723-2
2.5–4.0	–	3.0–3.7	1-xxx-1 / 1-xxx-3	968853	2,700	968874	500	x-541534-x	
2.5 4.0	3.3–4.5	–	1-xxx-1 / 1-xxx-2 / 1-xxx-3	929097	4,500	–	–	–	–

Receptacle Contacts Single Wire Sealing System (SWS) – Use Seals from Page 78

Wire Size Range (mm ²)	Insulation Diameter		Material and Finish *	Part Numbers					
	FLK (mm)	FLR (mm)		Strip Form	Packaging Unit	Loose-Piece	Packaging Unit	Applicator *	Hand Tool Complete
0.35	–	1.2–1.4	1-xxx-1 / 1-xxx-3	968882	4,500	968896	500	x-541563-x	539725-2
0.5 1.0	–	1.4–2.1	1-xxx-1 / 1-xxx-2 / 1-xxx-3	968855	3,500	968875	500	x-878973-x	539726-2
1.0–2.5	–	2.2–3.0	1-xxx-1 / 1-xxx-3	968857	4,000	968876	500	x-878974-x	539727-2
2.5–4.0	–	3.0–3.7	1-xxx-1 / 1-xxx-3	968859	2,500	968877	500	x-541537-x	

* **Material and Finish:**
1-xxx-1 = CuNiSi, pre-tin plated
1-xxx-2 = CuNiSi, selective gold plated
1-xxx-3 = CuNiSi, selective silver plated