

Receptacle Contacts

Technical Features

Contact Material:

CuSn, CuFe, CuNiSi
Cantilever Spring: Stainless Steel

Contact Finish:

- tin plated
- silver plated
- selective gold plated

Wire Size Range:

0.2–2.5 mm²
FLK and FLR

Contact Resistance

(New State):

CuFe: <2 mΩ
CuSn: <3 mΩ

Total Temperature max.:

- 40 °C to +130 °C (tin plated)
- 40 °C to +140 °C (silver plated)
- 40 °C to +150 °C (gold plated)

Mating Cycles:

- 10 (tin plated)
- 50 (silver plated)
- 100 (gold plated)

Insertion Force:

max. 15 N

Extraction Force:

min. 1.5 N

Retention Force:

- from housings without second locking device min. 100 N
- from housings only second locking device min. 60 N

Dimensions of Male Contacts:

2.8 mm x 0.8 mm

Centerlines

(Standard/SWS):

- 5.0 x 5.5 mm
- 5.0 x 5.0 mm (Staggered)

Extraction Tool:

Part No. 968107-1

Product Group Drawing:

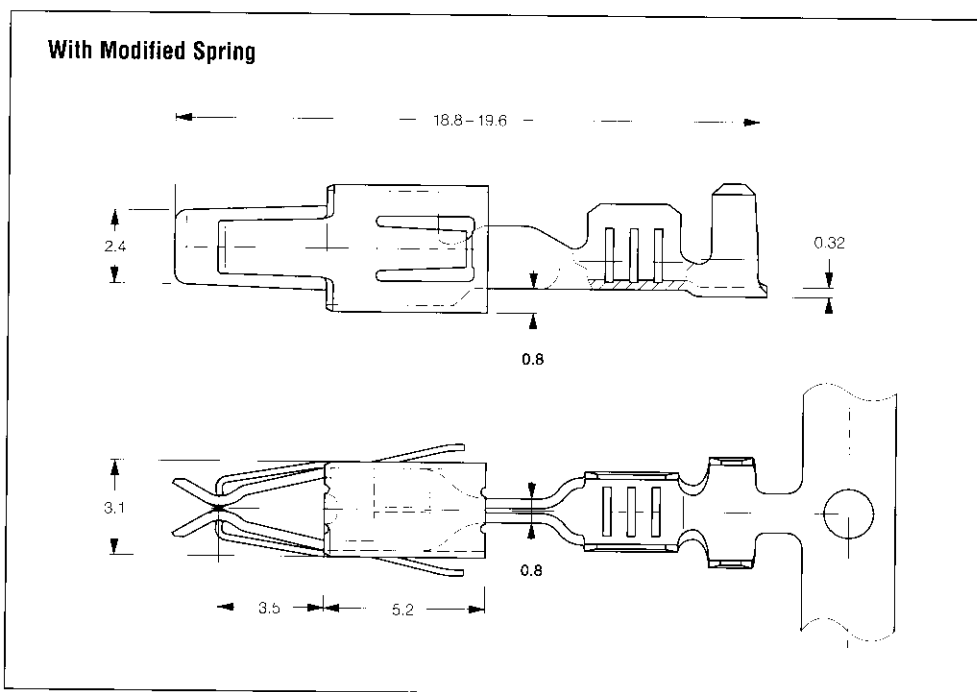
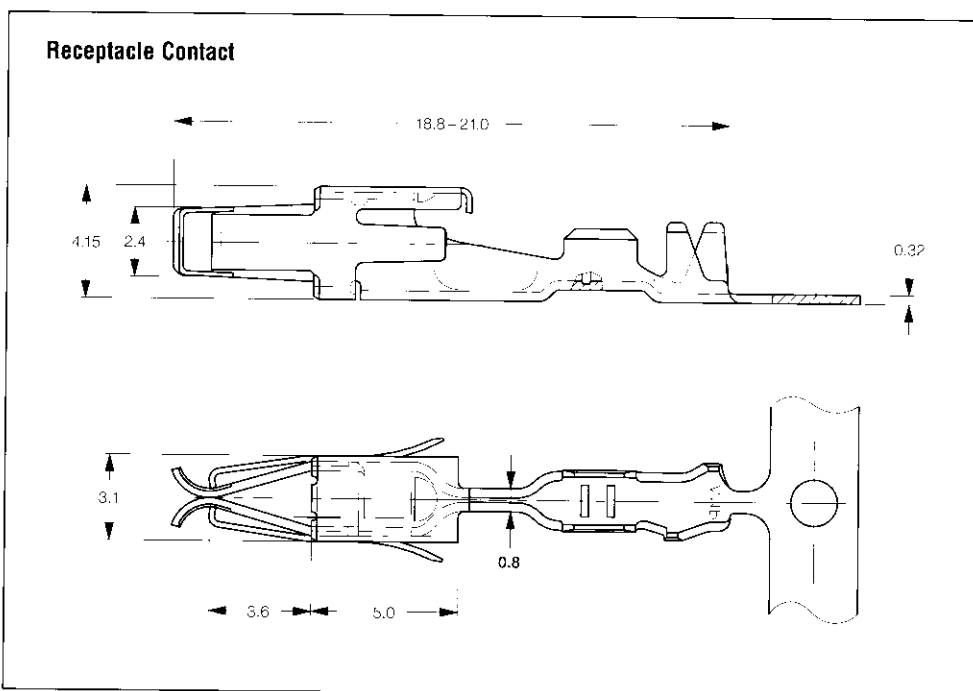
- 1355046
- 1355047 (Modified Spring)

Product Specification:

108-18013

Application Specification:

114-18050



Max. Current in 7 Positions Housing

Material	Temperature (° C)	Current Carrying Capacity (Ampere)		
		1.0 mm ²	1.5 mm ²	2.5 mm ²
CuFe	20	16.0	20.0	25.0
	90	7.5	9.5	12.0
CuSn	20	15.0	19.0	22.5
	90	7.0	9.0	11.0