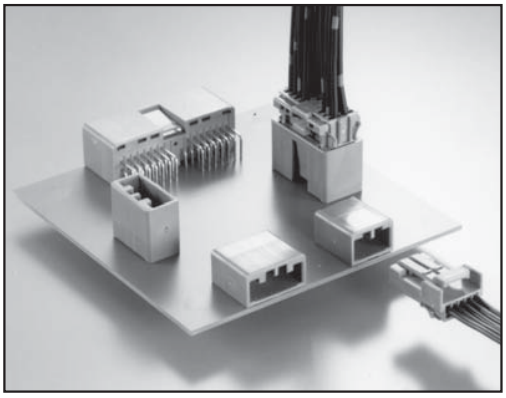
IL-AG5 SERIES AUTOMOTIVE CONNECTORS

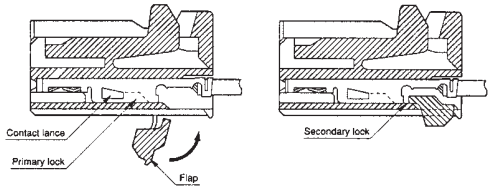
.025 Crimp Contacts, PCB-to-Cable/Cable-to-Cable Applications



FEATURES

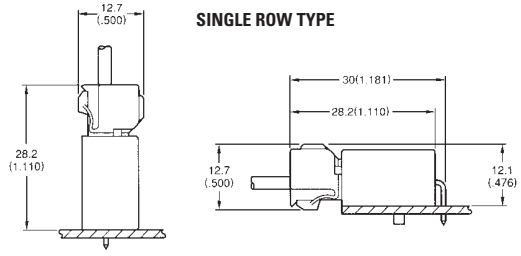
- Designed for automotive instrument panel applications
- Mechanical lock assures positive mating
- Unique housing configuration helps prevent mismating
- Double locking mechanism prevents dislodging of contacts

Connector Profile (Ref.)

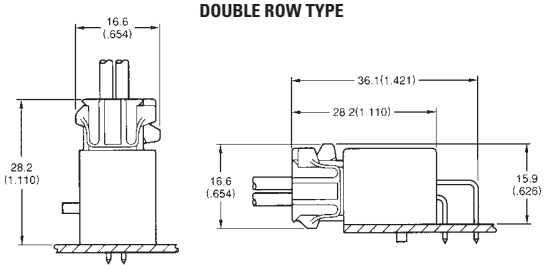


- Polarized version is available (Single row, 5 and 6 contacts only)
- Highly reliable socket contacts
- Simplified crimp-type termination

SINGLE ROW TYPE



DOUBLE ROW TYPE



GENERAL SPECIFICATIONS

Number of Contacts	4, 5, 6, 7, 10 (single row) 14, 16, 18, 22, 30 (double row)
Contact Spacing	2.5mm (.098")
Current Rating	3 Amp per contact
Dielectric Withstanding Voltage	1000 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	10 milliohms max.
Operating Temperature	-40°C to +85°C
Applicable PCB Thickness	1.6 to 2.4mm (.063" to .094")

Applicable Wire (Stranded)

Wire Type JIS	AV, AVS, AVSS	AVS, AVSS
AWG	#22-#20	#18
Conductor Cross Section Area	0.3 to 0.5mm^2	0.85mm^2
Insulation Outer Diameter	1.4 to 2.4mm (.055 to .094")	

MATERIALS AND FINISHES*

Description	Materials/Finishes
Insulator	PBT, Yellow (Green or Light Blue for polarized version)
Pin Contact	Brass/Tin Plating Cable plug pin contact: Highly conductive Copper alloy
Socket Contact	Phosphor Bronze /Tin Plating

Note: The standard finish of contacts is Tin Plating.
Gold Plating is available as an option. Consult JAE for details.

ORDERING INFORMATION

**IL-AG5 – ** * * – * 3 * * – * – **

Series
No. of Contacts
  Single Row – 5, 6, 7, 10
  Double Row – 14, 16, 18, 22, 30
Contact Type
  P – Pin S – Socket
Modification Code
  K – Polarized version, 5 and 6 contacts only
  Blank – Standard type
Contact Layout
  S – Single Row D – Double Row
Contact Pitch
  3 – 2.5mm (.098")
Termination
  T – Straight Through Hole L – Right Angle Through Hole
  C – Crimp
Applicable PCB Thickness (pin header)
  2 – 1.6mm (.063")
Applicable Wire Size (Housing)
  1 – AWG #18 to #22, Stranded
Modification Code A
Insulator Color
  LB – Light Blue Blank – Green

• Please consult JAE for verification of product availability.

Dimensions and specifications subject to change without notice.