LEADERSHIP in Connector Design

KYCON

OPTICAL JACK

KFO42X Series

KFO42X Series

Stacked Optical Audio Jack Over Mini-Din

Features

- Stacked Options Save Board Space and Improves Assembling Efficiency
- Optical Split Gate Version
- Available as Either a Transmitter or Receiver
- Conforms to JEITA Standards EIAJ RC - 5720
- CSA/NRTL Certified File No. LR78160

Performance Specifications

Material and Finish

Body: Thermoplastic, UL 94V-0 Rated, Black Color
Optical Jack Gate: Thermoplastic, UL 94V-0 Rated,
Contact: Copper Alloy, Gold Plated on Contact Area, Tin Plated on Termination, all over Nickel Underplate
Shield: Copper Alloy, Tin Plated
Back Shield: Copper Alloy, Nickel Plated

Electrical Characteristics (Mini-Din)

Contact Resistance:
Before Durability Test: Plug to Terminal: 30 Milliohms Max.
After Durability Test: Plug to Terminal: 60 Milliohms Max.
Insulation Resistance: 500 Megohms Min. at 500V DC
Dielectric Withstanding Voltage: 500V AC RMS For 1 Minute
Current Rating: 2A at 12V DC Max.
Operating Temperature: -25˚C to +85˚C

Mechanical characteristics

Insertion Force: Mini-Din: 0.5 - 4.5 kg
Optical Jack: 3.5 kg Max.

Extraction Force: Mini-Din: 0.4 - 4.5 kg
Optical Jack: 0.4 Min.

Durability: Mini-Din: 500 Mating Cycles
Optical Jack: 5000 Mating Cycles

Documentation & Ordering Information

Drawing	Stock	CofC
Sample	Email	RFQ

Kycon Part #	KFO42X-R/4S-G2S1

Part Number Builder

KFO42X – R / 4S – G2S1

Series – Type / Mini Din – Gate

Series

KFO42X - Stacked Optical Jack

Type

T - Transmitter (Lime Green)
R - Receiver (Pink)

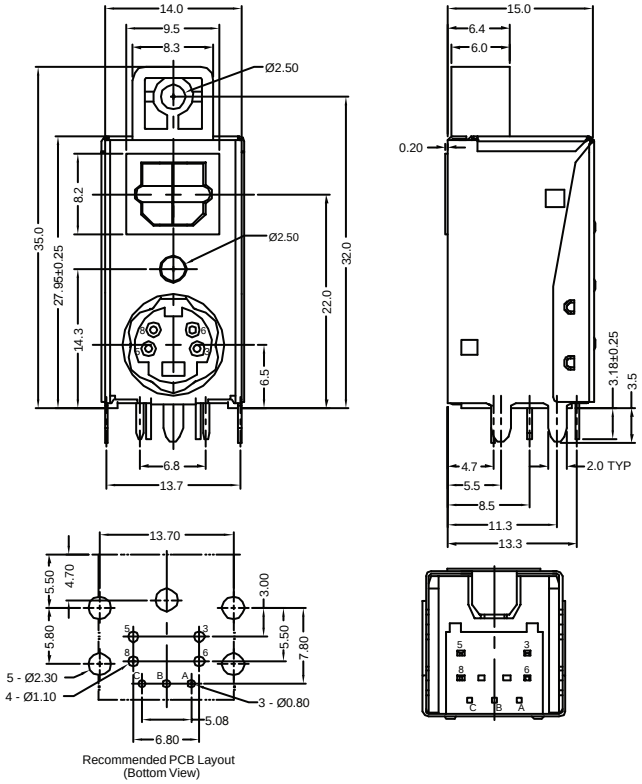
Mini-Din

4S - 4 Pin Mini-Din

Gate

G2S1 - Split Gate

Contact Kycon for Other Options, Minimum Order May Apply

KFO42X-T/4S-G2S1 Dimensions

Dimensions in mm