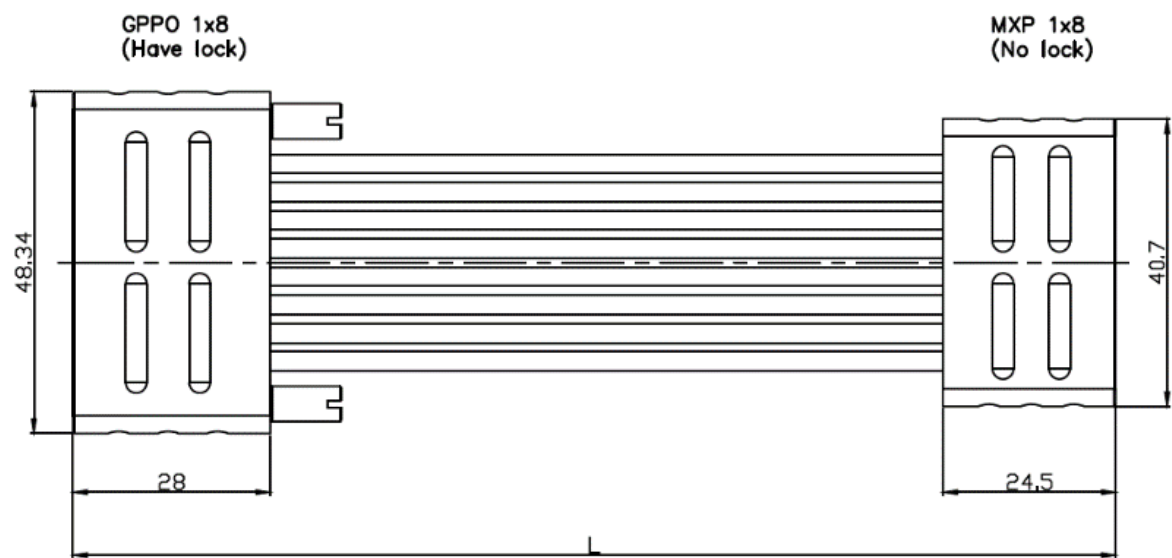


# Multi-coaxial Cable Assembly Datasheet



## RGHD-HS08-xxxS-4ND1



### Configuration

|                  |                                         |
|------------------|-----------------------------------------|
| Connector 1 Type | GPPO Female                             |
| Connector 2 Type | HS40 Female                             |
| Connector Body   | Aluminium Alloy/Anodizing               |
| Cable Type       | Low Loss Stable Phase (With steel wire) |
| Cable Diameter   | 2.65mm                                  |

### Electrical Characteristics

|                 |                                |
|-----------------|--------------------------------|
| Impedance       | 50Ω                            |
| Frequency Range | DC to 40GHz                    |
| Return Loss     | ≥14dB, DC to 40GHz             |
| Insertion Loss  | ≤4.9/1000*L+1.0dB, DC to 40GHz |
| Phase Mating    | ±2ps                           |

### Mechanical Properties

|                                     |            |
|-------------------------------------|------------|
| Mechanical Life                     | 500 cycles |
| Mating Force (Per single channel)   | 3.5N Max.  |
| Demating Force (Per single channel) | 3.5N Max.  |

### Environment Data

|                     |              |             |
|---------------------|--------------|-------------|
| Working Temperature | -55℃ ~ +125℃ | -40℃ ~ +85℃ |
|---------------------|--------------|-------------|

### Cable Chart

# Multi-coaxial Cable Assembly Datasheet



| Connector 1   | Cable Label | Cable Chart | Cable Label | Connector 2 |
|---------------|-------------|-------------|-------------|-------------|
| GPPO<br>TX1-4 | TX1P        |             | TX3P斜角      | HS40<br>J4  |
|               | TX1N        |             | TX3N        |             |
|               | TX2P        |             | TX1P        |             |
|               | TX2N        |             | TX1N        |             |
|               | TX3N        |             | TX7P        |             |
|               | TX3P        |             | TX7N        |             |
|               | TX4N        |             | TX5P        |             |
|               | TX4P        |             | TX5N        |             |
| GPPO<br>RX1-4 | RX1P        |             | TX6N斜角      | HS40<br>J5  |
|               | RX1N        |             | TX6P        |             |
|               | RX2P        |             | TX8N        |             |
|               | RX2N        |             | TX8P        |             |
|               | RX3N        |             | TX2N        |             |
|               | RX3P        |             | TX2P        |             |
|               | RX4N        |             | TX4N        |             |
|               | RX4P        |             | TX4P        |             |
| GPPO<br>TX5-8 | TX5P        |             | RX6N斜角      | HS40<br>J6  |
|               | TX5N        |             | RX6P        |             |
|               | TX6P        |             | RX8N        |             |
|               | TX6N        |             | RX8P        |             |
|               | TX7N        |             | RX2N        |             |
|               | TX7P        |             | RX2P        |             |
|               | TX8N        |             | RX4N        |             |
|               | TX8P        |             | RX4P        |             |
| GPPO<br>RX5-8 | RX5P        |             | RX5N        | HS40<br>J7  |
|               | RX5N        |             | RX5P        |             |
|               | RX6P        |             | RX7N        |             |
|               | RX6N        |             | RX7P        |             |
|               | RX7N        |             | RX1N        |             |
|               | RX7P        |             | RX1P        |             |
|               | RX8N        |             | RX3N        |             |
|               | RX8P        |             | RX3P斜角      |             |

## Order Information

| P/N                 | Description                                                               |
|---------------------|---------------------------------------------------------------------------|
| RCHD-HS08-060S-4ND1 | Multi-coaxial Cable Assembly,GPPO(F) to HS40(F),1x8,with steel wire,60cm  |
| RCHD-HS08-xxxS-4ND1 | Multi-coaxial Cable Assembly,GPPO(F) to HS40(F),1x8,with steel wire,xxxcm |