

Excellent Integrated System Limited

Stocking Distributor

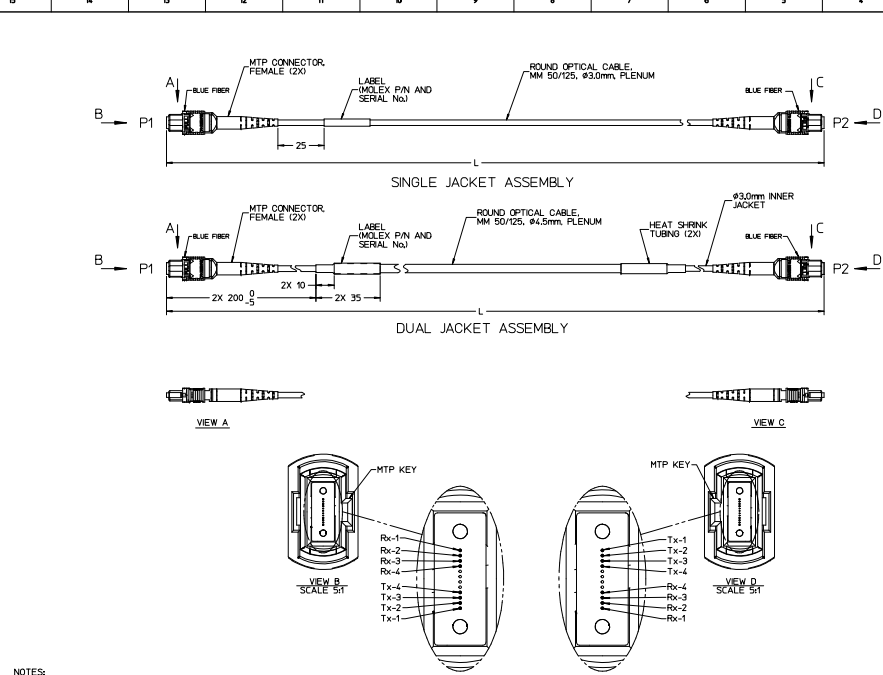
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[1062830029](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

| QSFP CABLE ASSEMBLY PART NUMBER | | | | OVERALL LENGTH L (mm) | CABLE DIA. (mm) | CABLE TYPE |
|---------------------------------|----------------------|----------------------|---------------|-----------------------|-------------------------------------|------------|
| STANDARD BANDWIDTH (OM2) | HIGH BANDWIDTH (OM3) | HIGH BANDWIDTH (OM4) | | | | |
| TBD | TBD | TBD | 0.5 +0.1/-0 | 3.0 | 12 FIBER ROUND CABLE, SINGLE JACKET | |
| 106283-0001 | 106283-0001 | 106283-7001 | 10 +0.2/-0 | | | |
| TBD | TBD | TBD | 15 +0.2/-0 | | | |
| 106283-0002 | 106283-0002 | 106283-7002 | 2.0 +0.1/-0 | | | |
| TBD | TBD | 106283-7503 | 2.5 +0.2/-0 | | | |
| 106283-0003 | 106283-0003 | 106283-7003 | 3.0 +0.2/-0 | | | |
| 106283-0004 | 106283-0004 | 106283-7004 | 4.0 +0.2/-0 | | | |
| 106283-0005 | 106283-0005 | 106283-7005 | 5.0 +0.2/-0 | | | |
| 106283-0006 | 106283-0006 | 106283-7006 | 6.0 +0.2/-0 | | | |
| 106283-0007 | 106283-0007 | 106283-7007 | 7.0 +0.2/-0 | | | |
| 106283-0008 | 106283-0008 | 106283-7008 | 8.0 +0.2/-0 | 4.5 | 12 FIBER ROUND CABLE, DUAL JACKET | |
| 106283-0009 | 106283-0009 | 106283-7009 | 9.0 +0.2/-0 | | | |
| 106283-0010 | 106283-0010 | 106283-7010 | 10.0 +0.3/-0 | | | |
| 106283-0011 | 106283-0011 | 106283-7011 | 11.0 +0.3/-0 | | | |
| 106283-0012 | 106283-0012 | 106283-7012 | 12.0 +0.3/-0 | | | |
| 106283-0013 | 106283-0013 | 106283-7013 | 13.0 +0.3/-0 | | | |
| 106283-0014 | 106283-0014 | 106283-7014 | 14.0 +0.3/-0 | | | |
| 106283-0015 | 106283-0015 | 106283-7015 | 15.0 +0.3/-0 | | | |
| 106283-0016 | 106283-0016 | 106283-7016 | 16.0 +0.3/-0 | | | |
| 106283-0017 | 106283-0017 | 106283-7017 | 17.0 +0.3/-0 | | | |
| 106283-0018 | 106283-0018 | 106283-7018 | 18.0 +0.3/-0 | | | |
| 106283-0019 | 106283-0019 | 106283-7019 | 19.0 +0.3/-0 | | | |
| 106283-0020 | 106283-0020 | 106283-7020 | 20.0 +0.4/-0 | | | |
| 106283-0021 | 106283-0021 | 106283-7021 | 21.0 +0.4/-0 | | | |
| 106283-0022 | 106283-0022 | 106283-7022 | 22.0 +0.4/-0 | | | |
| 106283-0023 | 106283-0023 | 106283-7023 | 23.0 +0.4/-0 | | | |
| 106283-0024 | 106283-0024 | 106283-7024 | 24.0 +0.4/-0 | | | |
| 106283-0025 | 106283-0025 | 106283-7025 | 25.0 +0.5/-0 | | | |
| 106283-0026 | 106283-0026 | 106283-7026 | 26.0 +0.5/-0 | | | |
| 106283-0027 | 106283-0027 | 106283-7027 | 27.0 +0.5/-0 | | | |
| 106283-0028 | 106283-0028 | 106283-7028 | 28.0 +0.5/-0 | | | |
| 106283-0029 | 106283-0029 | 106283-7029 | 29.0 +0.5/-0 | | | |
| 106283-0030 | 106283-0030 | 106283-7030 | 30.0 +0.6/-0 | | | |
| 106283-0035 | 106283-0035 | 106283-7035 | 35.0 +0.7/-0 | | | |
| 106283-0040 | 106283-0040 | 106283-7040 | 40.0 +0.8/-0 | | | |
| 106283-0045 | 106283-0045 | 106283-7045 | 45.0 +0.9/-0 | | | |
| 106283-0050 | 106283-0050 | 106283-7050 | 50.0 +1.0/-0 | | | |
| 106283-0055 | 106283-0055 | 106283-7055 | 55.0 +1.1/-0 | | | |
| 106283-0060 | 106283-0060 | 106283-7060 | 60.0 +1.2/-0 | | | |
| 106283-0065 | 106283-0065 | 106283-7065 | 65.0 +1.3/-0 | | | |
| 106283-0070 | 106283-0070 | 106283-7070 | 70.0 +1.4/-0 | | | |
| 106283-0075 | 106283-0075 | 106283-7075 | 75.0 +1.5/-0 | | | |
| 106283-0080 | 106283-0080 | 106283-7080 | 80.0 +1.6/-0 | | | |
| 106283-0085 | 106283-0085 | 106283-7085 | 85.0 +1.7/-0 | | | |
| 106283-0090 | 106283-0090 | 106283-7090 | 90.0 +1.8/-0 | | | |
| 106283-0095 | 106283-0095 | 106283-7095 | 95.0 +1.9/-0 | | | |
| 106283-1000 | 106283-1000 | 106283-7100 | 100.0 +2.0/-0 | | | |
| 106283-1120 | TBD | TBD | 120.0 +2.4/-0 | | | |
| 106283-1150 | 106283-1150 | 106283-7150 | 150.0 +3.0/-0 | | | |
| 106283-1300 | TBD | TBD | 300.0 +6.0/-0 | | | |
| TBD | 106283-7400 | 106283-7400 | 400.0 +8.0/-0 | | | |



NOTES:
 1. CABLE ASSEMBLY SPECIFICATIONS:
 OPTICAL PROPERTIES
 FIBER TYPE MULTIMODE 50/125 μm BI-BEND-INSENSITIVE
 CONNECTOR INSERTION LOSS (MAX) 1.0 dB
 CABLE ATTENUATION (MAX) 3.5/12 dB/km AT 850/1300 nm
 SEE TABLE 1
 ENVIRONMENTAL PROPERTIES
 CONNECTOR MATERIALS UL94 V-0
 CABLE FLAMMABILITY RATING PLENUM OFNP (NFPA 262/UL 910)
 OPERATING TEMPERATURE RANGE -0°C TO +70°C
 MECHANICAL PROPERTIES
 FIBER COUNT 4 Tx X 4 Rx
 CABLE MIN. BEND RADIUS
 SHORT TERM 50 mm - SINGLE JACKET
 89 mm - DUAL JACKET
 LONG TERM 20 mm - SINGLE JACKET
 57 mm - DUAL JACKET
 NO LOAD 12.5 mm - SINGLE JACKET CABLE/INNER SUBUNIT
 OF DUAL JACKETED CABLE
 COMPRESSIVE FORCE >3.5 N/mm - SINGLE JACKET CABLE/INNER SUBUNIT
 OF DUAL JACKETED CABLE
 MIN CONTROLLED 90° AND 180° BENDS, MINIMUM BEND RADIUS CAN BE REDUCED TO 15 IN (38 mm).

TABLE 1

| FIBER TYPE | OVERFILLED LAUNCH BANDWIDTH, MIN. (850nm) | | 1 GIGABIT ETHERNET LINK DISTANCE, MIN. (m) | | 10 GIGABIT ETHERNET LINK DISTANCE, MIN. (m) | | 40 & 100 GIGABIT ETHERNET LINK DISTANCE, MIN. (m) | | EFFECTIVE MODAL BANDWIDTH (MHz-km) |
|--------------------------|---|---------|--|---------|---|---------|---|---------|------------------------------------|
| | 850 nm | 1300 nm | 850 nm | 1300 nm | 850 nm | 1300 nm | 850 nm | 1300 nm | |
| STANDARD BANDWIDTH (OM2) | 500 | 500 | 600 | --- | 86 | --- | --- | --- | --- |
| HIGH BANDWIDTH (OM3) | 1500 | 500 | 1000 | --- | 300 | --- | 100 | --- | 2000 |
| HIGH BANDWIDTH (OM4) | 3500 | 550 | 1040 | --- | 550 | --- | 60 | --- | 4700 |

QUALITY SYMBOLS: 4 PLACES ±, 3 PLACES ±, 2 PLACES ±, 1 PLACE ±, 0 PLACE ±

GENERAL TOLERANCES (UNLESS SPECIFIED): mm, INCH

DIMENSION STYLE: MM ONLY

SCALE: 1:1

UNIT: INCH

THIRD ANGLE PROJECTION

ENTER DESCRIPTION: ITC MOLEX 2010-0850
 DATE: 2010/05/06
 DRAWN: GUMIN
 CHECK: GUMIN
 APPROVED: GUMIN
 DATE: 2010/07/14

GENERAL TOLERANCES (UNLESS SPECIFIED): mm, INCH

DIMENSION STYLE: MM ONLY

SCALE: 1:1

UNIT: INCH

THIRD ANGLE PROJECTION

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SEE TABLE 1

DOCUMENT NO. SD-106283-00XX

SHEET NO. 1 OF 1

OPTICAL CONNECTION

| FROM P1 | TO P2 |
|---------|--------|
| Rx-1 | Tx-1 |
| Rx-2 | Tx-2 |
| Rx-3 | Tx-3 |
| Rx-4 | Tx-4 |
| UNUSED | UNUSED |
| UNUSED | UNUSED |
| UNUSED | UNUSED |
| Tx-4 | Rx-4 |
| Tx-3 | Rx-3 |
| Tx-2 | Rx-2 |
| Tx-1 | Rx-1 |