

PRODUCT DATASHEET

4 CHANNEL DRY-MATE FIBRE OPTIC CONNECTOR



4 Channel Dry-Mate Fibre Optic Connector

DESCRIPTION

Small compact connector originally designed and developed for the demanding downhole environment. The materials and design chosen are specific for these arduous conditions. The compact nature of this connector lends itself to many applications where overall size needs to be kept to a minimum.

KEY FEATURES

- Based around proven optical connector designs
- Small in size (see following drawings)
- Wide temperature rating
- Single or multi-mode fibre accommodated
- Available in different materials and terminations to suit the requirement
- Dual "O" seals
- Field installable (in certain environments)

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DESIGN SPECIFICATION

- Max Working Pressure: 10,000 psi (mated)
- Temperature Rating: -20 to +150°C (-4 to +300°F)
- Optical Insertion Loss: <0.5db typically <0.3 db single or multi-mode
- Typical Optical Return Loss: <-25 db

MATERIALS

- Connector Shell: Titanium or 17-4 PH (Alternatives available to meet different specifications and/or special fluid compatibility requirements)
- Elastomer: Nitrile (Alternatives available to meet different specifications and/or special fluid compatibility requirements)

CONFIGURATION

- Bulkhead mounted receptacle
- Flange mounted receptacle
- PBOF
- Over mouldable backshell
- Right Angle

INTERFACE DATA

- For customer specific requirements and specific interface detail contact **SEACON** (europe) Ltd
- Examples shown on the following drawings

QUALITY

- **SEACON** (europe) Ltd operate a Quality Management System accredited to ISO 9001.



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NOTES: UNLESS OTHERWISE STATED,
MATERIAL TO BE SPECIFIED ON
PURCHASE ORDER.

1. PURCHASE UNDER.

DO NOT SCALE - IF IN DOUBT ASK

ITEM No.	QTY.	PART No.	DESCRIPTION	COMMENTS
1	1	EST1008-014	O ² SEAL	MED. NITRILE (N70)
2	1	EST1008-019	O ² SEAL	MED. NITRILE (N70)
3	1	EST1008-020	O ² SEAL	MED. NITRILE (N70)
4	8	RM-00200-1	COMPRESSION SPRING	ALL SEALS MED. NITRILE (N70)
5	1	1850-1-6	SPRING CLIP	ELGLOY
6	1	15mm x 1mm	O ² SEAL	ALL SEALS MED. NITRILE (N70)

ITEM No.	QTY.	PART No.	DESCRIPTION	COMMENTS
7	4	1892-1-B	OPTICAL CONTACT	MGB
8	1	503 1516 V/S	DOWEL BRIDGE SEAL	CEBRAK (N70R)
9	1	1850-1-1	LOCKING RING	SEE NOTE 1
10	1	TBA-1-A	LOCKING RING	SEE NOTE 1
11	1	TBA-1-A	FRONT FACE PLATE (RECEPT.)	SEE NOTE 1

MATERIAL SPEC.		SURFACE FINISH		FINISH	
TOLS. DECIMAL	TOLS. ANGULAR	S.C.E.	03/08/00	GENERAL ARRANGEMENT OF 4-WAY OPTICAL CONNECTOR RECEPTACLE	03/08/00
0.X ±0.020	X ±0.5°	CEBRAK			
0.0X ±0.010	0.X ±0.25°	CHEK			
0.00X ±0.005		DRIFT			
SCALE	UNITS	SIZE	UNITS	SIZE	UNITS
2:1	A3	INCHES	2:1	A3	INCHES

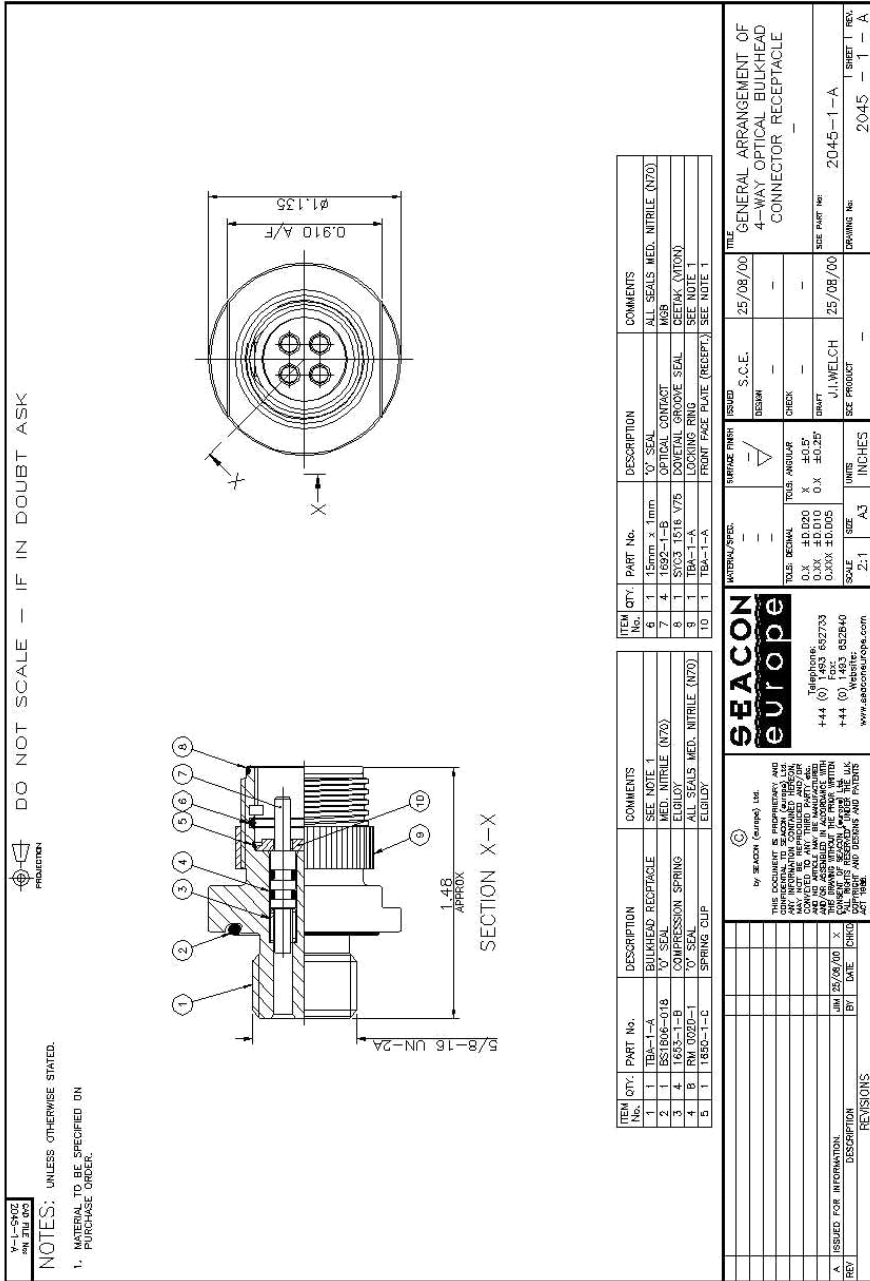
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BY DATE DRWG

REVISIONS

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