



PRODUCTION SPECIFICATION

Document Title	1xN PLC Splitter, in the OSP cassette	
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Revision	V0	
Effective Date	2019-2-26	
Drafted	Review	Approved
AI		W.N.

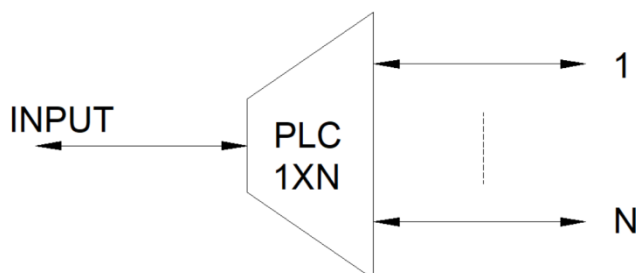
Revision Record		
Revision	Notes	Data
V0	Initial Release	2019-2-26

1 DESCRIPTION

1.1 Product Introduction

1xN PLC Splitter, 1260-1650nm bandwidth, OSP cassette with 2.0mm jacketed, 1.5m long, SC/APC or LC/APC leads.

1.2 Product Application



1.3 Related Product List

	FIS PART NUMBER	Description
	Z1PLCM14OSP20A2SA1.5	1X4 PLC Splitter, 1260-1650nm,OSP Cassette Package,(100X80X10mm), 2.0MM jacket 1.5m.Red input, Yellow output fibers G657A2, SC/APC connectors.
	Z1PLCM18OSP20A2SA1.5	1X8 PLC Splitter, 1260-1650nm,OSP Cassette Package,(100X80X10mm),2.0MM jacket 1.5m.Red input, Yellow output fibers G657A2, SC/APC connectors.
	Z1PLCM116OSP20A2SA1.5	1X16 PLC Splitter, 1260-1650nm,OSP Cassette Package,(100X80X10mm),2.0MM jacket 1.5m.Red input, Yellow output fibers G657A2, SC/APC connectors.
	Z1PLCM132OSP20A2SA1.5	1X32 PLC Splitter, 1260-1650nm,OSP Cassette Package,(100X80X10mm),2.0MM jacket 1.5m.Red input, Yellow output fibers G657A2, SC/APC connectors.
	Z1PLCM164OSP20A2SA1.5	1X64 PLC Splitter, 1260-1650nm,OSP Cassette Package,(100X80X20mm),2.0MM jacket 1.5m.Red input, Yellow output fibers G657A2, SC/APC connectors.
	Z1PLCM216OSP20A2SA1.5	2X16 PLC Splitter, 1260-1650nm,OSP Cassette Package,(100X80X10mm),2.0MM jacket 1.5m.Red input, Yellow output fibers G657A2, SC/APC connectors.
	Z1PLCM232OSP20A2SA1.5	2X32 PLC Splitter, 1260-1650nm,OSP Cassette Package,(100X80X10mm),2.0MM jacket 1.5m.Red input, Yellow output fibers G657A2, SC/APC connectors.
	Z1PLCM14OSP20A2LA1.5	1X4 PLC Splitter, 1260-1650nm,OSP Cassette Package,(100X80X10mm),2.0MM jacket 1.5m.Red input, Yellow output fibers G657A2, LC/APC connectors.
	Z1PLCM18OSP20A2LA1.5	1X8 PLC Splitter, 1260-1650nm, OSP Cassette

		Package,(100X80X10mm),2.0MM jacket 1.5m.Red input, Yellow output fibers G657A2, LC/APC connectors.
	Z1PLCM116OSP20A2LA1.5	1X16 PLC Splitter, 1260-1650nm,OSP Cassette Package,(100X80X10mm),2.0MM jacket 1.5m.Red input, Yellow output fibers G657A2, LC/APC connectors.
	Z1PLCM132OSP20A2LA1.5	1X32 PLC Splitter, 1260-1650nm,OSP Cassette Package,(100X80X10mm),2.0MM jacket 1.5m.Red input, Yellow output fibers G657A2, LC/APC connectors.
	Z1PLCM164OSP20A2LA1.5	1X64 PLC Splitter, 1260-1650nm,OSP Cassette Package,(100X80X20mm),2.0MM jacket 1.5m.Red input, Yellow output fibers G657A2, LC/APC connectors.
	Z1PLCM216OSP20A2LA1.5	2X16 PLC Splitter, 1260-1650nm,OSP Cassette Package,(100X80X10mm),2.0MM jacket 1.5m.Red input, Yellow output fibers G657A2, LC/APC connectors.
	Z1PLCM232OSP20A2LA1.5	2X32 PLC Splitter, 1260-1650nm,OSP Cassette Package,(100X80X10mm),2.0MM jacket 1.5m.Red input, Yellow output fibers G657A2, LC/APC connectors.

2 OPTIC AND/OR ELECTRIC PERFORMANCE

Parameter	Unit	Value						
Channel Number	-	1x4	1x8	1x16	1x32	1x64	2x16	2x32
Operating Wavelength	nm	1260-1650						
Insertion Loss@1310/1550nm (Note 1, 2,3)	dB	≤7.5	≤10.8	≤13.8	≤16.8	≤21	≤14.5	≤17.8
Uniformity (Note 1, 2,3)	dB	≤0.3	≤0.8	≤1.2	≤1.7	≤2.0	≤2.1	≤2.5
PDL	dB	≤0.3					≤0.5	
Return Loss	dB	≥50						
Directivity	dB	≥55						
Module Package (L x W x H)	mm	100x80x10			100x80x20		100x80x10	

Note:

1. Measured at room temperature.
2. Measured at 1310 and 1550nm.
3. Including PDL, connector loss.

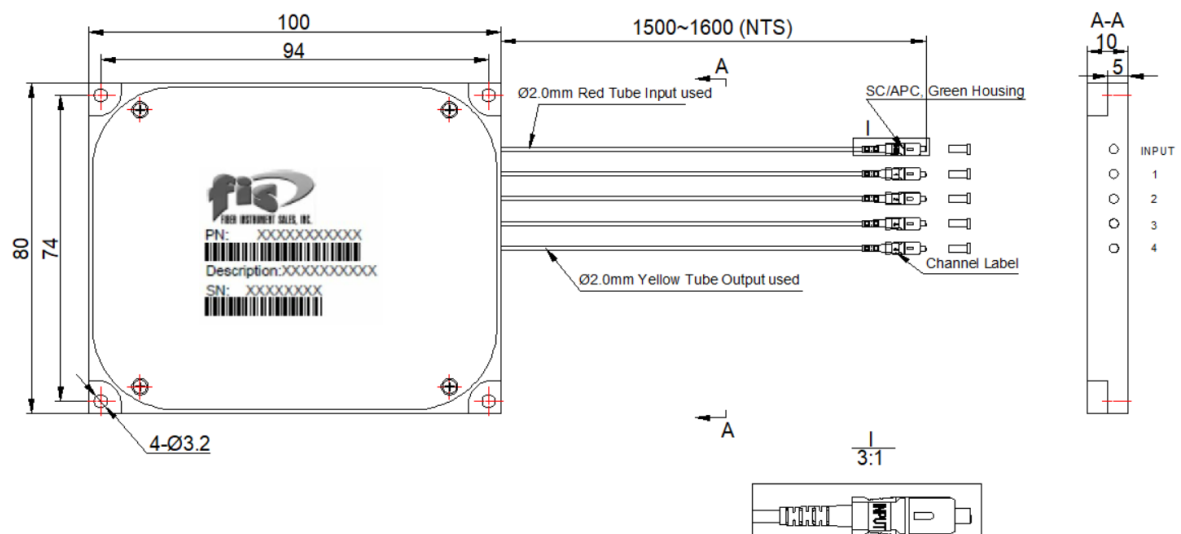
3 ABSOLUTE MAXIMUM RATINGS

NO.	Parameter	Specification	Units	Notes
3.1	Operating Temperature	-40~+85	°C	
3.2	Operation Humidity	5~95	%RH	
3.3	Storage Temperature	-40~+85	°C	
3.4	Storage Humidity	5~95	%RH	

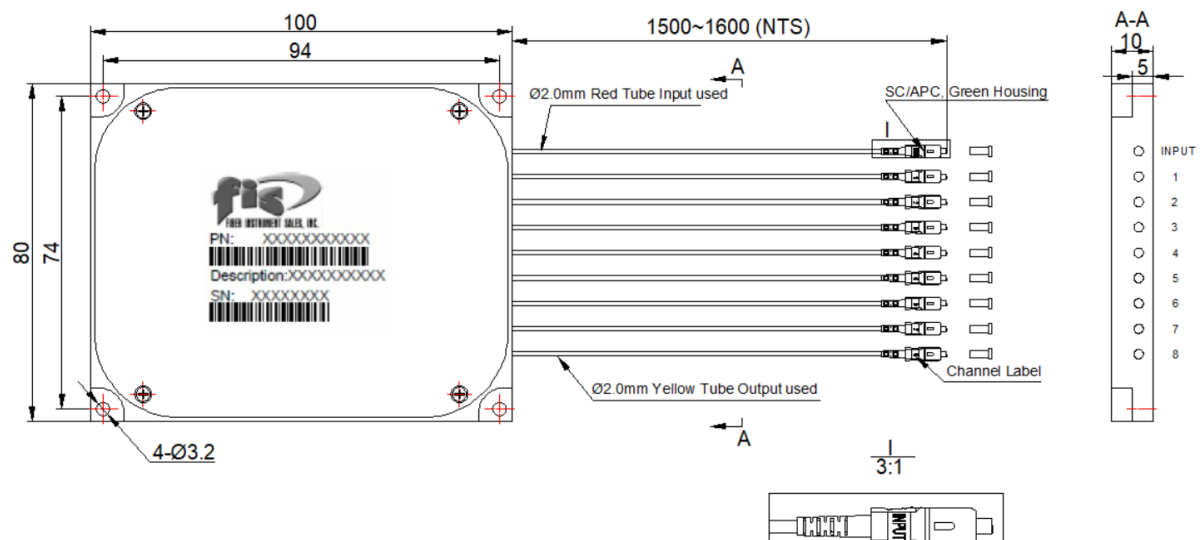
4 MECHANICAL DRAWINGS (mm)

Black box

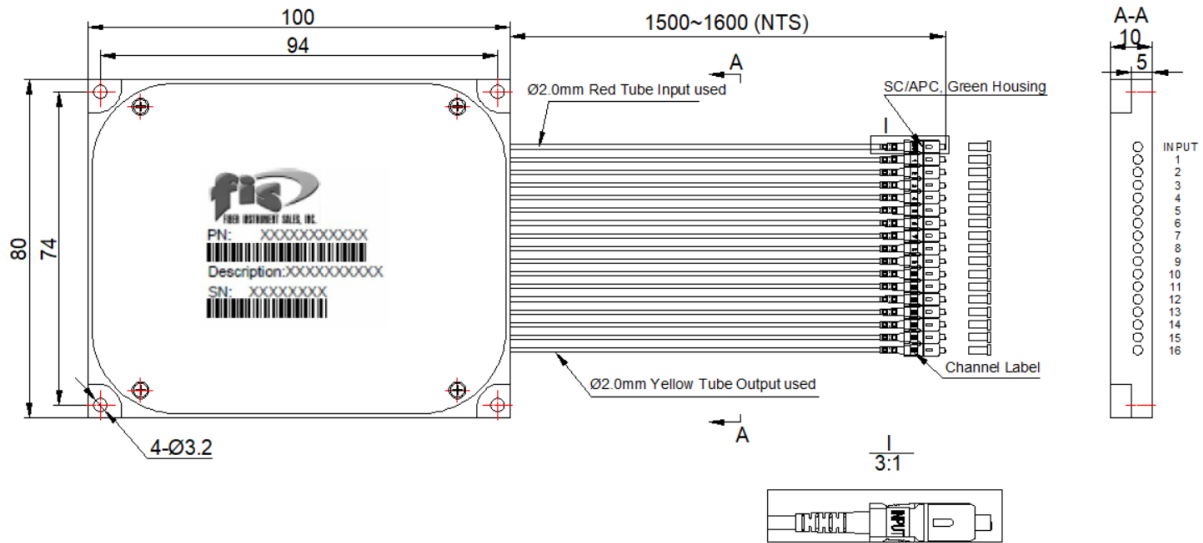
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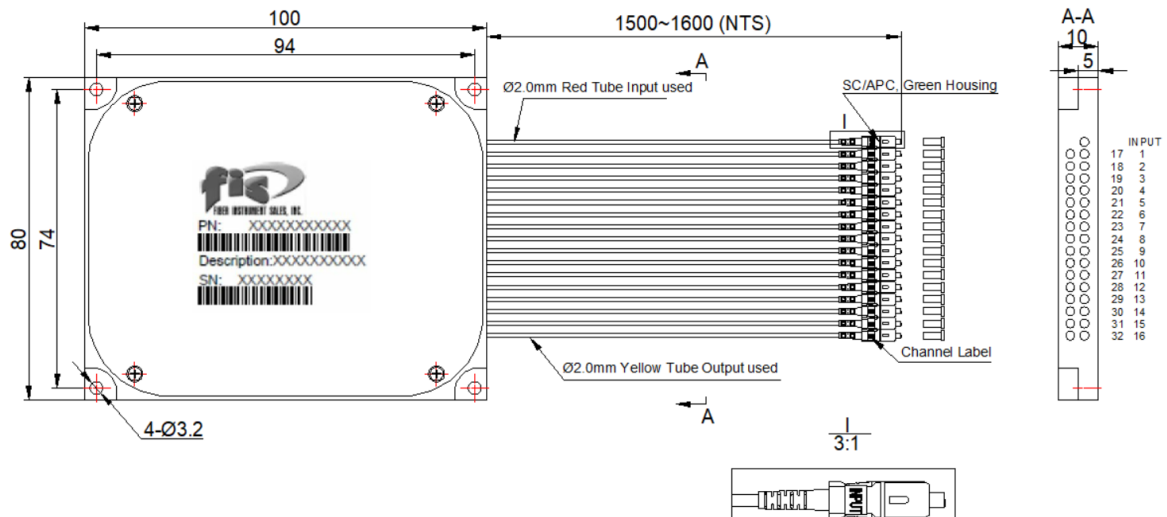
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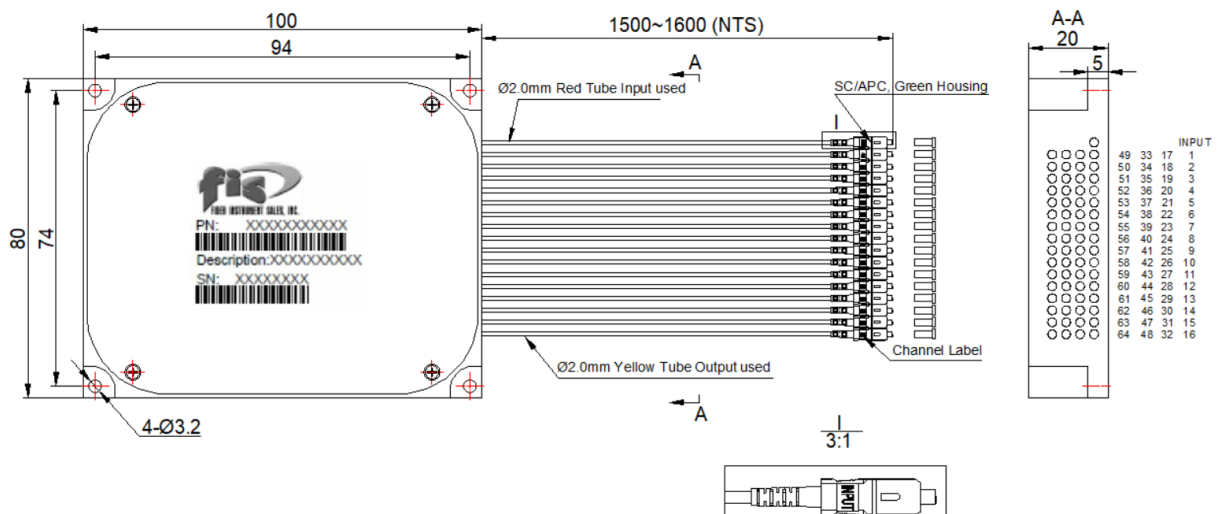
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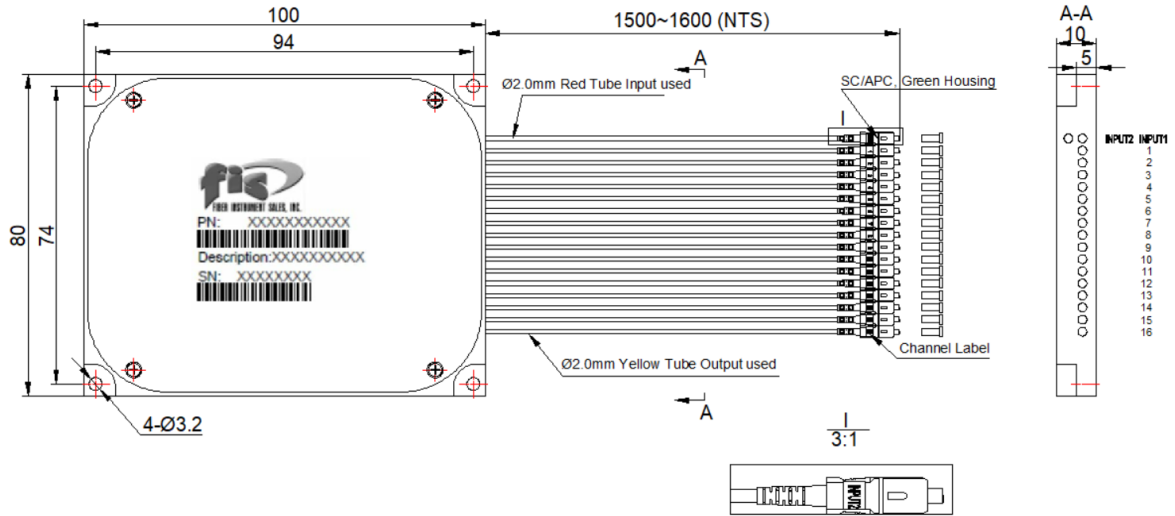
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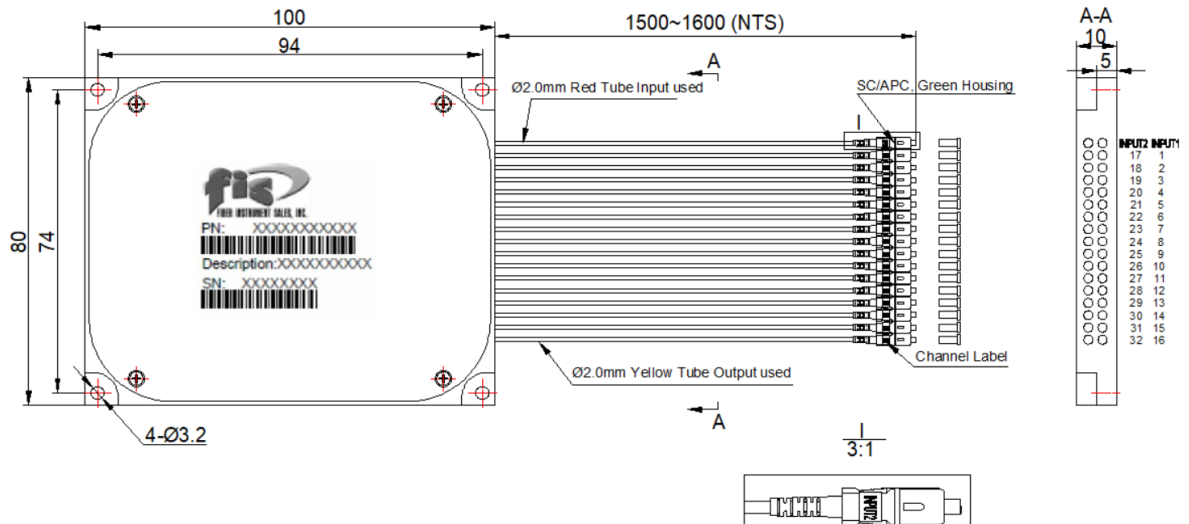
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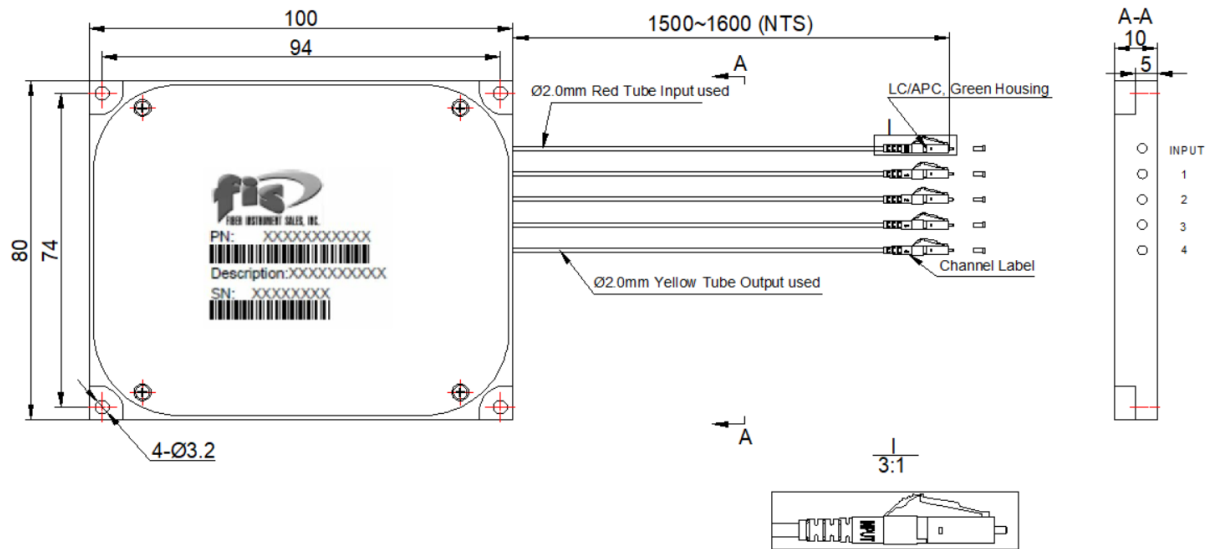
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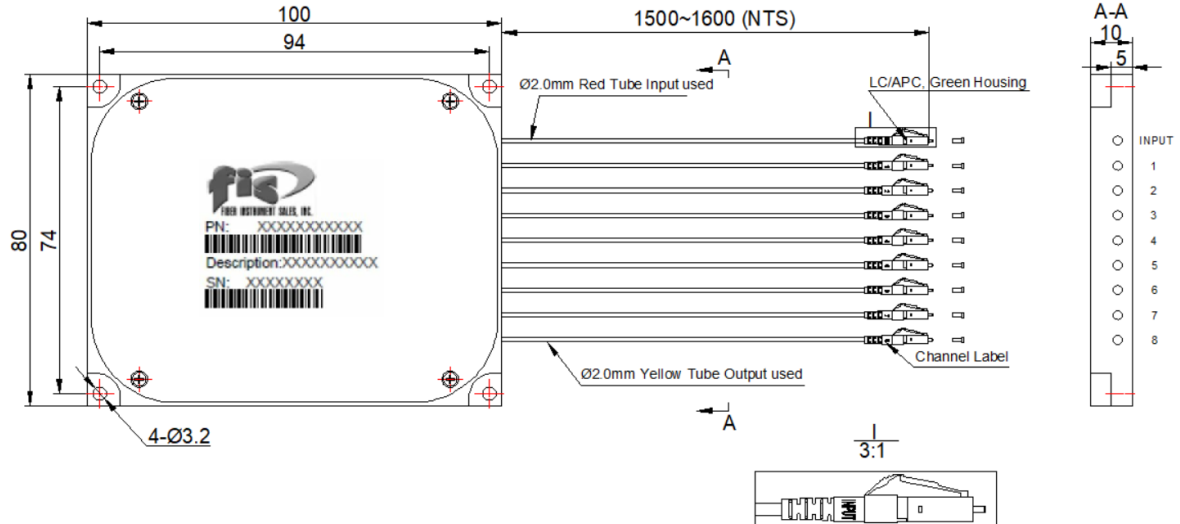
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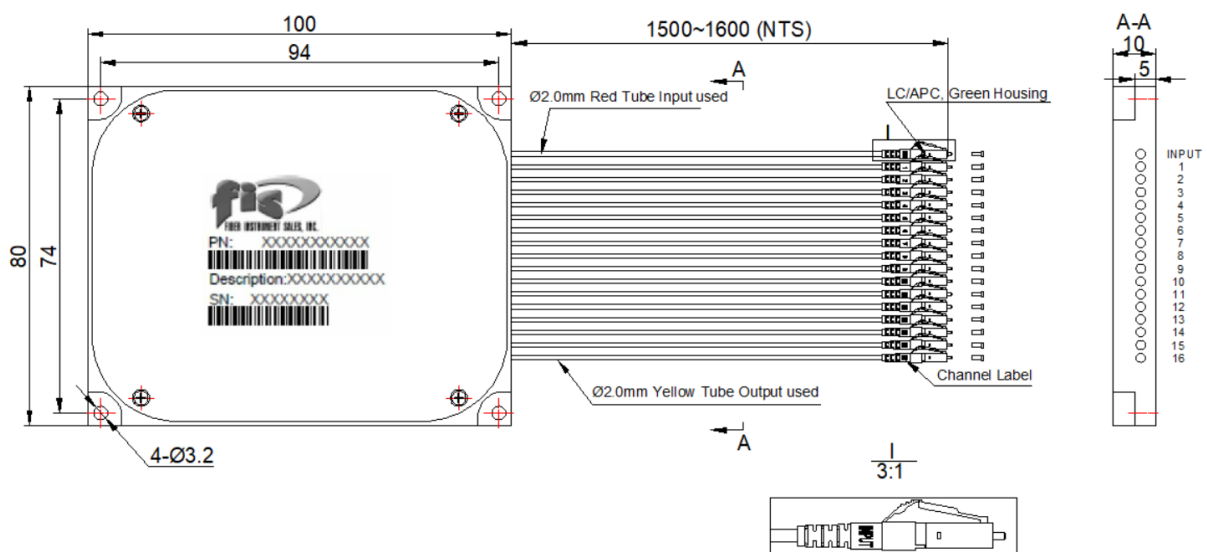
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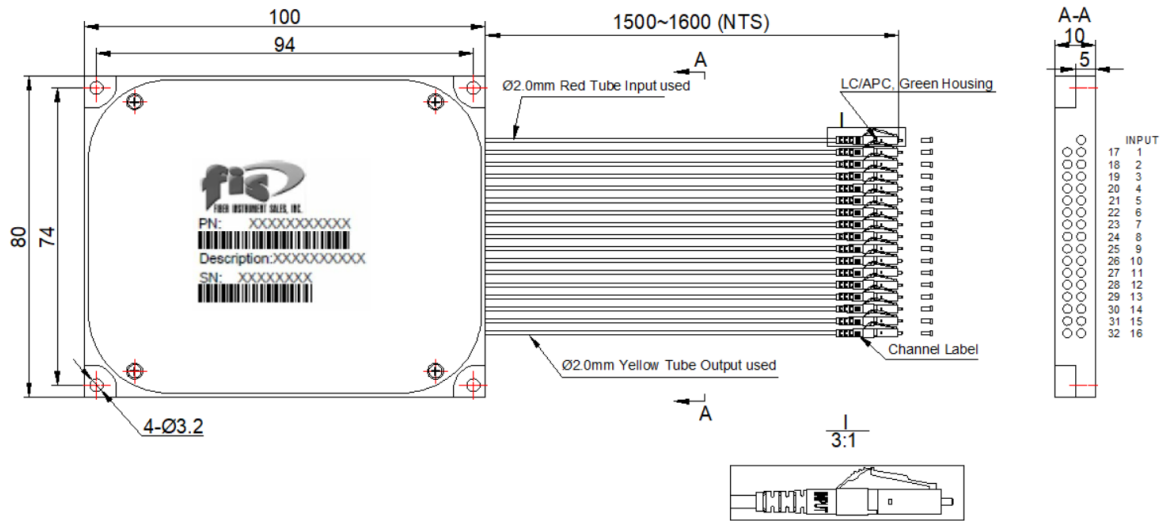
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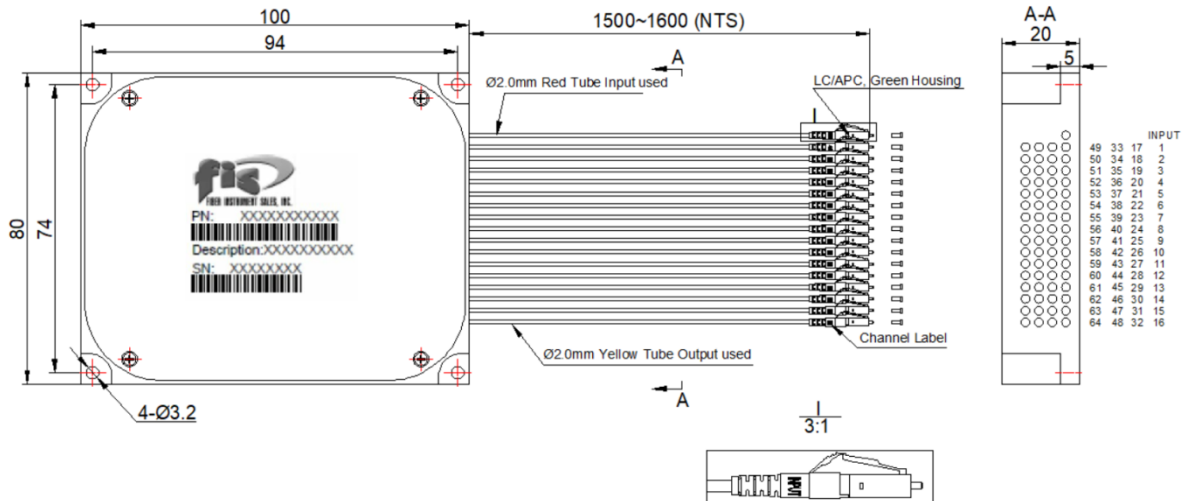
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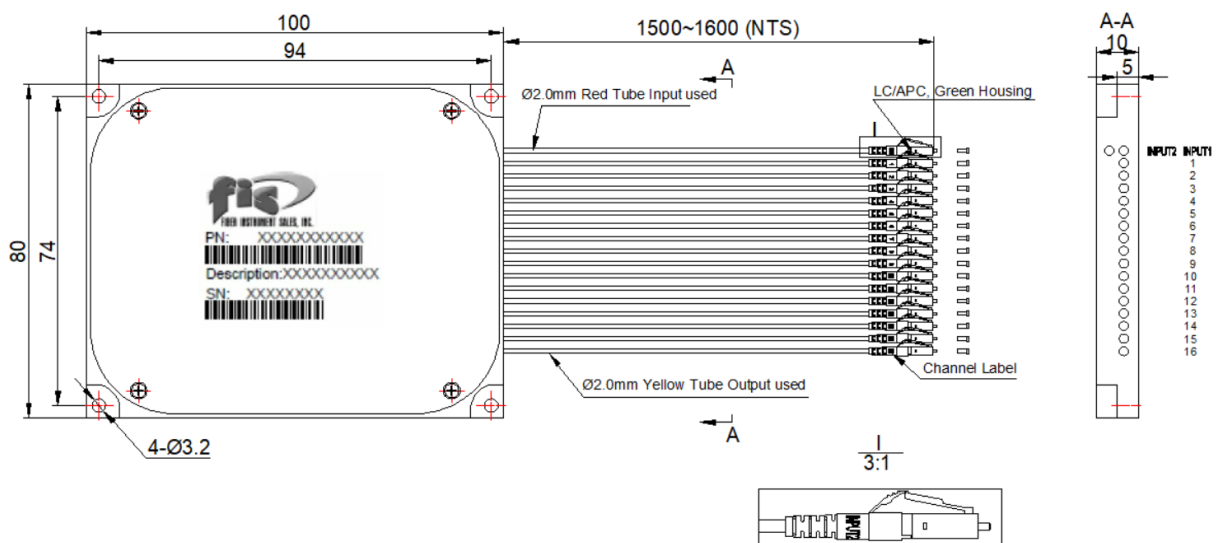
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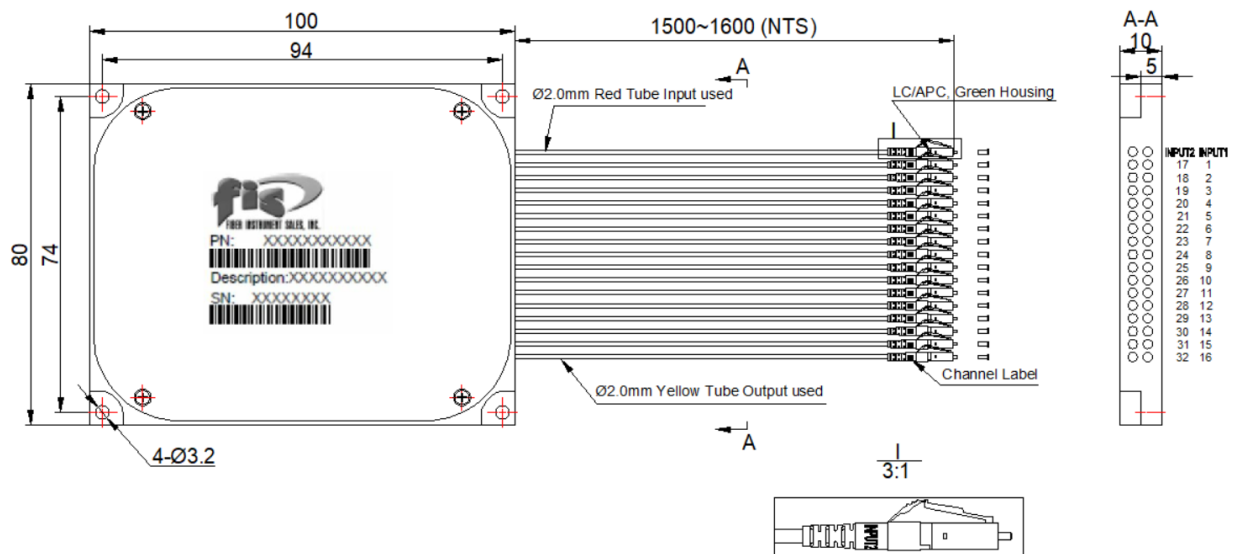
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- PLCS-216-C-2.0-1.5-LCA-A2



- PLCS-232-C-2.0-1.5-LCA-A2



5 PIGTAIL AND CONNECTOR

NO.	Parameter	Specification	Units	Notes
5.1	Pigtail Type	G.657A2 or Equivalent		All ports
5.2	Pigtail Jacket	2.0mm Red cable		All Input ports
5.3	Pigtail Jacket	2.0mm Yellow cable		All Output ports
5.4	Fiber Length	1.5-1.6	m	All ports
5.5	Connector Type	SC/APC or LC/APC		Customized

End