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LOC

DIST

REVISIONS

EA

17

P

LTR

DESCRIPTION

DATE

DWN

APVD

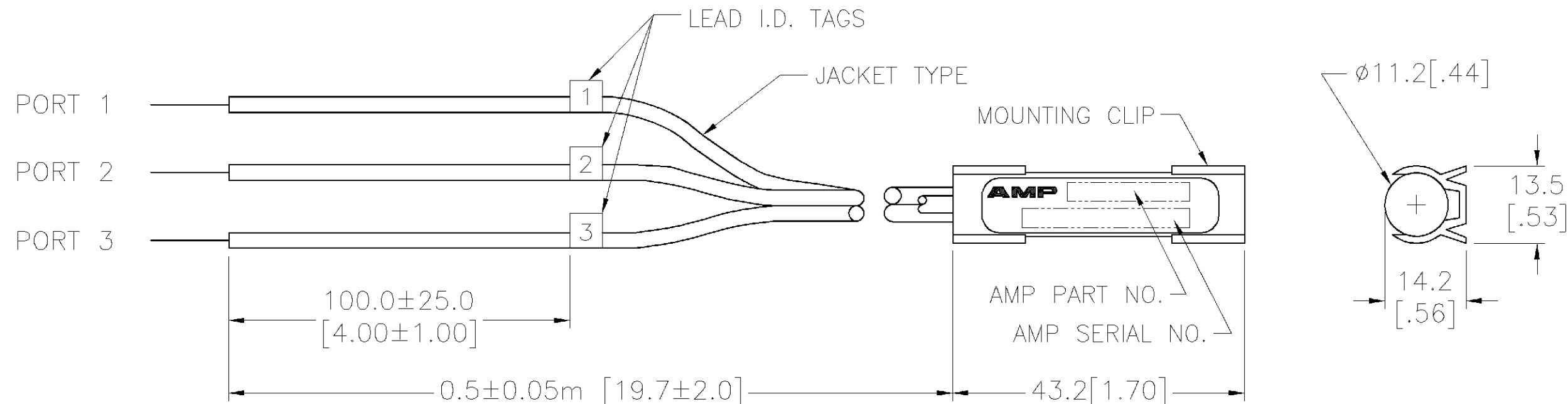
D

REVISE PER ECN 0A10-0222-01

07NOV01

SU

JM



SPECIFICATIONS:

UNCONNECTORIZED
INSERTION LOSS

(PER FOTP-34, METHOD A):

MUX 1.2dB MAX 0.9dB TYP.

DEMUX 1.3dB MAX 0.9dB TYP.

DIRECTIVITY:

TYPICAL: >55dB

MINIMUM: >45dB

WAVELENGTH BANDPASS (nm):

TYPICAL: 120nm

MINIMUM: 100nm

RETURN LOSS (REFLECTANCE):

MUX - MINIMUM: 35dB

DEMUX -

PORT 1 ≤-13dB

PORT 2 ≤-15dB

PORT 3 ≤-35dB

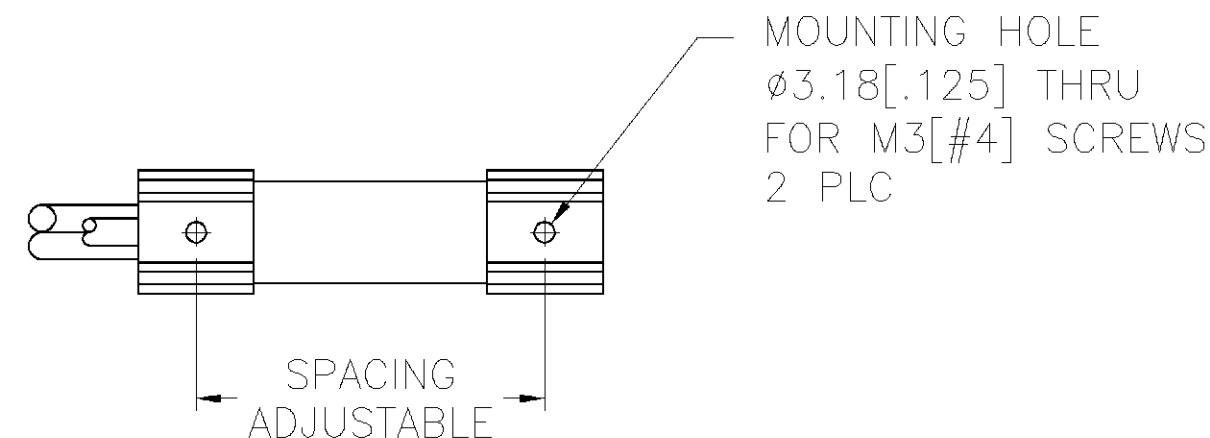
WITHOUT CONNECTORS

ISOLATION:

MUX & DEMUX 35dB MIN (TYP. 42dB)

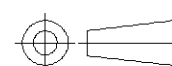
OPERATING TEMPERATURE: -40°C TO +65°C

STORAGE TEMPERATURE: -40°C TO +75°C



PART NUMBER	FIBER TYPE	JACKET TYPE
99111-1	50/125/250	3mm
99111-2	62.5/125/250	3mm
9-99111-1	50/125/250	900µm
9-99111-2	62.5/125/250	900µm

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
MM [INCHES]

MATERIAL

TOLERANCES UNLESS
OTHERWISE SPECIFIED:0 PLC ± -
1 PLC ± 1.0 [.04]
2 PLC ± 0.38 [.015]
3 PLC ± -
4 PLC ± -
ANGLES ± 2'

FINISH

DWN D. HEINTZ 14DEC94

CHK A. McCLISH 15DEC96

APVD A. McCLISH 15DEC96

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

tyco
ElectronicsTyco Electronics Corporation
Harrisburg, PA 17057

NAME

WDM, MUX OR DEMUX,
1310/1510nm

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

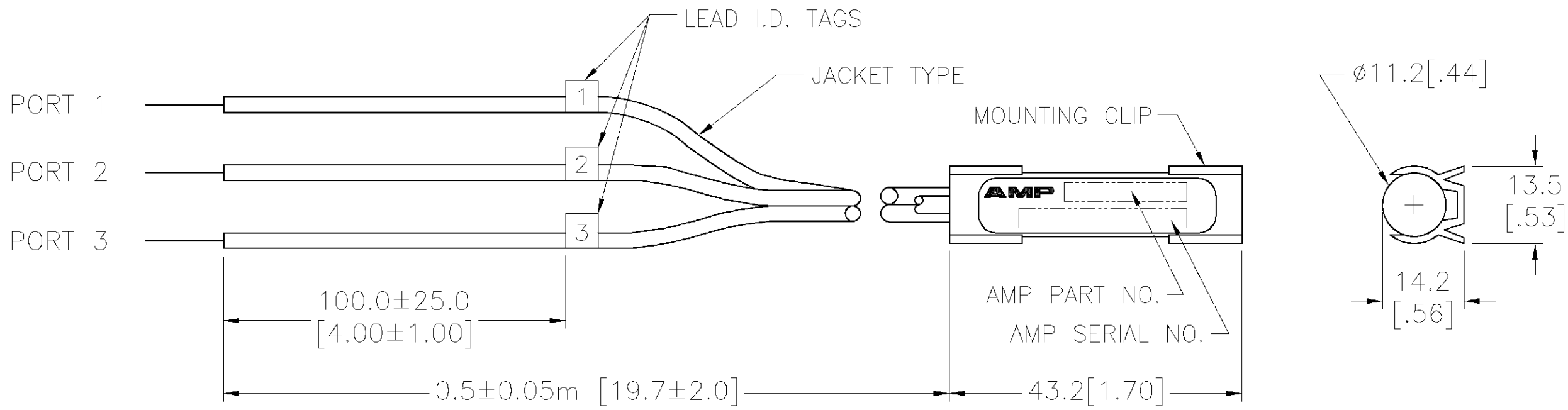
C-99111

SCALE NTS

SHEET 1 OF 1

REV D

LOC	DIST	REVISIONS				
EA	17	P	LTR	DESCRIPTION	DATE	APVD
			D	REVISE PER ECN 0A10-0222-01	07NOV01	JM



SPECIFICATIONS:

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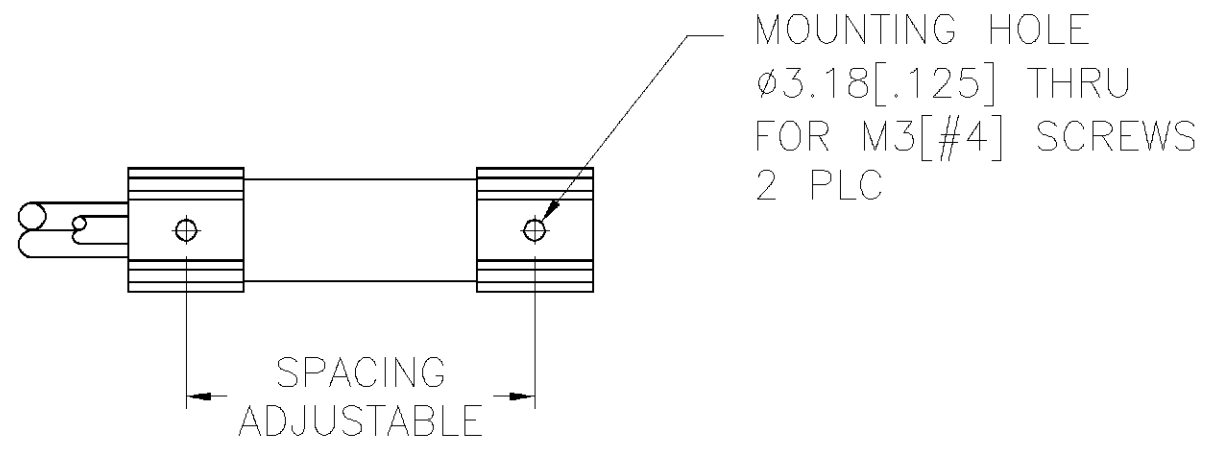
WAVELENGTH BANDPASS (nm):
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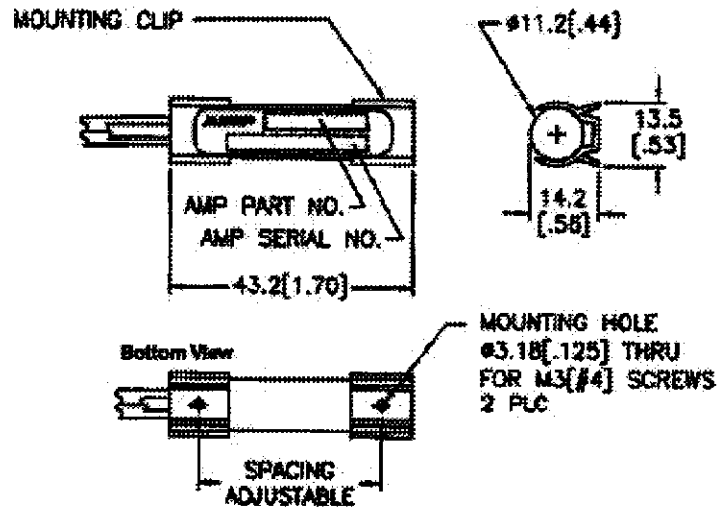
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN D. HEINTZ 14DEC94	tyco Electronics Tyco Electronics Corporation Harrisburg, PA 17057			
DIMENSIONS: MM [INCHES]		CHK A. McCLISH 15DEC96				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD A. McCLISH 15DEC96	NAME -			
0 PLC ± - 1 PLC ± 1.0 [.04] 2 PLC ± 0.38 [.015] 3 PLC ± - 4 PLC ± - ANGLES ± 2'		PRODUCT SPEC -	WDM, MUX OR DEMUX, 1310/1510nm			
MATERIAL -		FINISH -	APPLICATION SPEC -	SIZE A3	CAGE CODE 00779	DRAWING NO C-99111
			WEIGHT -	RESTRICTED TO -		
CUSTOMER DRAWING			SCALE NTS	SHEET 1	OF 1	REV D

Singlemode and Multimode Lensed WDM's (Continued)

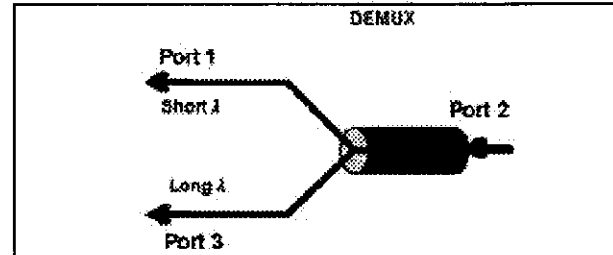
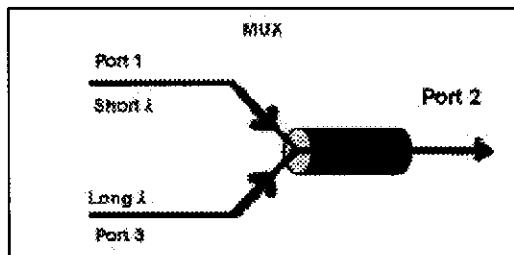
Part Numbers

Fiber	.5m Cable Length	Connector	850/1310 nm MUX or DEMUX	1310/1550 nm MUX or Demux
50/125 Multimode	3mm	ST	99102-2	99105-2
	3mm	None	99108-1	—
	900µm	ST	9-99102-2	—
	900µm	None	9-99108-1	9-99111-1
	3mm	ST	99102-3	99105-3
62.5/125 Multimode	3mm	None	99108-2	—
	900µm	ST	9-99102-3	9-99105-3
	900µm	None	9-99108-2	9-99111-2
	3mm	FC/APC	—	99717-4
	3mm	None	—	99717-5
Singlemode	3mm	FC/UPC	—	99717-6
	3mm	ST/UPC	—	99717-7
	3mm	SC/UPC	—	99717-8
	900µm	FC/APC	—	9-99717-4
	900µm	None	—	9-99717-5
	900µm	FC/UPC	—	9-99717-6
	900µm	ST/UPC	—	9-99717-7
	900µm	SC/UPC	—	9-99717-8
	900µm	SC/UPC	—	9-99717-8

Note: Mux specific versions available when higher return loss required. Contact your local Tyco Electronics Sales Office.



Application



AMP

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For drawings, technical data or samples, contact your Tyco Electronics sales engineer, call 1-800-622-6752, or visit our Website at: http://www.amp.com/fiberoptics/WDBs-DWDM/wdbs-dwdm_family.stm. Specifications subject to change. Consult Tyco Electronics for latest specifications.

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Fiber Optic Products

Wavelength Division Multiplexers

AMP

9-99111-1

Active

Active

(Tyco Electronics P/N: 9-99111-1)

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Related Part Information

General Information		eCommerce	Related Part Information
General Info Sales Info Assembly Subcontractors	Pricing Product Availability		

Searchable Features:

Brand:	AMP
Mode:	Multimode
Fused/Lensed:	Lensed
Fiber Size (Micron):	50/125
Cable Diameter (mm [in]):	900 micron [900 micron]
Connector Type:	None
Wavelength Bandpass (nm):	1310 – 1550
No. of Ports:	3
Port No. 1 Connector:	None
Port No. 2 Connector:	None
Port No. 3 Connector:	None

Other Properties:

Cable Length (M [ft]):	0.50 [1.640]
Crosstalk Performance:	MUX or DEMUX
Comment:	Ports are marked with tags indicating port 1, 2, or 3

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