ELECTRICAL SPECIFICATIONS: CUSTOMER OUTLINE DRAWING

(10.911)

- 1.71

-0.83

	Impedance	50 ohm
	Frequency Range	0 ~ 50 GHz
D	V.S.W.R.	1.029 max at 50 GHz
	Insertion Loss	-0.018 dB at 50 GHz
	Working Voltage (at Sea Level)	500 V RMS max.
D	Dielectric Withstanding Voltage (at Sea Level)	1000 V RMS max.
	Contact Resistance	
	Center Contact	3 Milliohms max.
	Outer Contact	2.5 Milliohms max.
	Insulation Resistance	5000 megaohms min.
	Return Loss	-36 dB @ 50 GHz

MECHANICAL SPECIFICATIONS:

Temperature Range	-55°C to +120°C
Male-Female Mating Cycles	≥500 Cycles
Installation Cycles	100

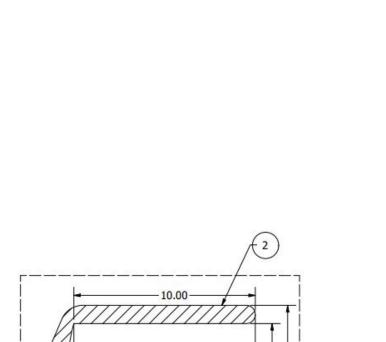
	TABLE 1			
-	PART NUMBER	Customer PN	PCB thickness	Screw Length
	142-7021-200	MLBMC-240FVCW-4	≤ 1.5 mm	4.76 mm
	142-7021-201	MLBMC-240FVCW-6	1.5-4.6 mm	6.35 mm
	142-7021-203	MLBMC-240FVCW-9	4.6-6.3 mm	9.53 mm
	142-7021-202	MLBMC-240FVCW-11	6.3-9.4 mm	11.13 mm

NOTES:

- 1. These characteristics are typical and for reference. \(\alpha \) Mounting screws must not extend beyond this line.

- 3. Parts to be packaged in trays.

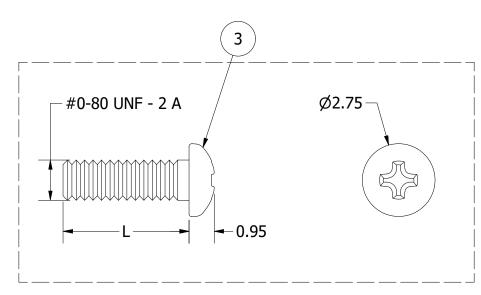
 4. Protection cap must be installed before packing



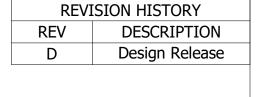
 $\emptyset 2.40 \pm 0.01$

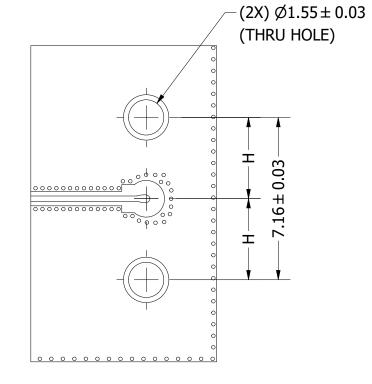
6g

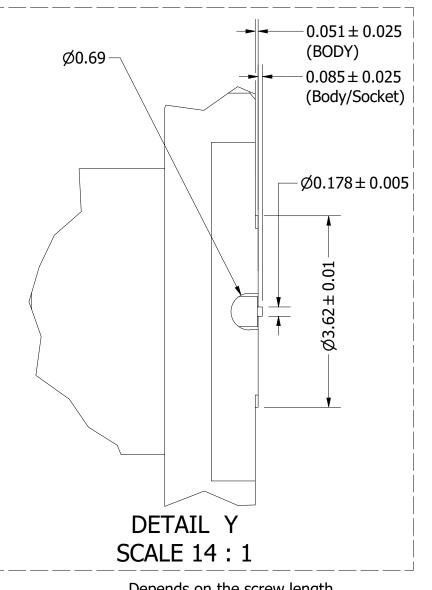
M7.00 X 0.75 -



6.40







Depends on the screw length -X:4-6-9-11 (SEE TABLE 1)

Customer P/N: MLBMC-240FVCW-X

multiLane ____

		Parts List					
,	ITEM	PART NUMBER	DESCRIPTION	MATERIAL	FINISH	QTY	
4	1	102-7021-000	Solderless Board Mount Connector, 2.40 mm (F), Vertical Mount, Coplanar Waveguide	N/A	N/A	1	
Ī	2	438-7001-012	PROTECTION CAP	SOFT PVC (BLUE)	N/A	1	
Ī	3	400-7020-000	SCREW (L=4.76mm)	STAINLESS STEEL SUS 302	PASSIVATED	2	
	3	400-7020-001	SCREW (L=6.35mm)	STAINLESS STEEL SUS 302	PASSIAVTED	2	
	3	400-7020-002	SCREW (L=11.13mm)	STAINLESS STEEL SUS 302	PASSIAVTED	2	
Ī	3	400-7020-003	SCREW (L=9.53mm)	STAINLESS STEEL SUS 302	PASSIAVTED	2	

		UNLESS OTHERWISE SPECIFIED			
_		DIMENSIONS ARE IN MILLIMETRES			
		TOLERANCES:	TIT	ΙF	_
		$x.x \pm 0.1$			
		$x.xx \pm 0.05$	So	J٨	\sim
		Rad \pm 0.1	30	ıu	C
		Dia ± 0.1	/F	\	١
		Ang ± 0.1°	(1)	"	V
	PROPRIETARY AND CONFIDENTIAL	MATERIAL: N/A			
	THE INFORMATION CONTAINED IN THIS	ETAITOLL	SIZ	ΖE	(
_	DRAWING IS THE SOLE PROPERTY OF	FINISH: N/A		•	
	MULTILANE. ANY REPRODUCTION IN PART OR		C	-	
	AS WHOLE WITHOUT THE WRITTEN	INTERPRET GEOMETRIC TOLERANCING	SCA	ΙLΕ	
	PERMISSION OF MULTILANE IS PROHIBITED	PER: ASME Y14.5-2009			
1					

Solderless Board Mount Connector, 2.40 mm (F), Vertical Mount, Coplanar Waveguide				
SIZE	QTY	PART NO	REV	
C		142-7021-2XX	D	

RoHS Compliant

5.66

~−0.89

(2X) #0-80 UNF - 2B

SHEET 1 OF 3

