



4X #4-40 X.200 DP  
HELICOIL NEARSIDE  
&FARSIDE

4X #4-40 X.200 DP  
HELICOIL

**WEIGHT: 21 Oz. [595 g]**

CONNECTIONS			
CONN.	TYPE	PIN #	FUNCTION
J1	35363-1460	1	+10V TO +16VDC
J1	35363-1460	2	+10V TO +16VDC
J1	35363-1460	3	GROUND
J1	35363-1460	4	GROUND
J1	35363-1460	5	N/C
J1	35363-1460	6	REF LOCK
J1	35363-1460	7	TRIG
J1	35363-1460	8	RESET (*)
J1	35363-1460	9	CLOCK
J1	35363-1460	10	DATA IN
J1	35363-1460	11	SELECT (*)
J1	35363-1460	12	BUSY
J1	35363-1460	13	RF LOCK
J1	35363-1460	14	DATA OUT

CONNECTIONS			
CONN.	TYPE	PIN #	FUNCTION
J2	USB MINI-B	1	+V
J2	USB MINI-B	2	D-
J2	USB MINI-B	3	D+
J2	USB MINI-B	4	GND
J2	USB MINI-B	5	GND
J3	DC PWR JACK	1	+12V INPUT
J4	SMA-FEMALE	1	REF OUTPUT
J5	SMA-FEMALE	1	REF. INPUT
J6	SMA-FEMALE	1	RF OUTPUT

#### NOTES:

- J1 MALE: MOLEX# 0353630960
- J1 MATES WITH: MOLEX# 0355070900
- CRIMP PIN: MOLEX#0502128100
- J1 OR J3 POWER SUPPLY INPUTS ARE REQUIRED FOR USB AND SPI OPERATION.
- RECOMMENDED POWER SUPPLY WIRE SIZE = A.W.G. 22-24
- J3 CENTER PIN 1.3MM DIA; OUTER 3.7MM DIA.
- SMA ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX.
- SMA MATING TORQUE (ROTATIONAL): 8 INCH POUNDS MAX.
- SMA CONTACT RETENTION: 6 LBS. MIN. AXIAL FORCE ON MATING END. 4 IN-OZ MIN. RADIAL TORQUE.
- (\*) ACTIVE LOW

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONS    DECIMALS    ANGLES ±                .xx       ± .02 ±                .xxx     ± .010		
MATERIAL	6061 AL. & SS	
FINISH	NICKEL PLATE	
DO NOT SCALE DRAWING		

UNCONTROLLED DRAWING: SUBJECT TO CHANGE WITHOUT NOTICE	
APPROVAL	DATE
DRAWN NVN	12/5/19
ENGR. DS	12/5/19
MFG.	
Q.A.	



MICRO LAMBDA WIRELESS, INC.

MLVS SYNTHESIZER

SIZE	CAGE NO.	DWG. NO.	REV
A	ORN63	99-0101-001	E
SCALE: 1:2		SHEET 1 OF 1	