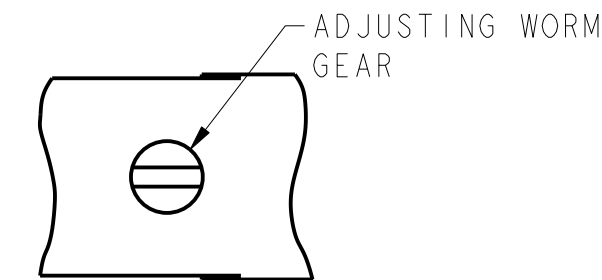
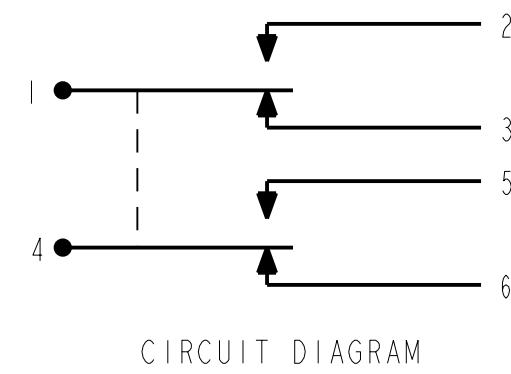


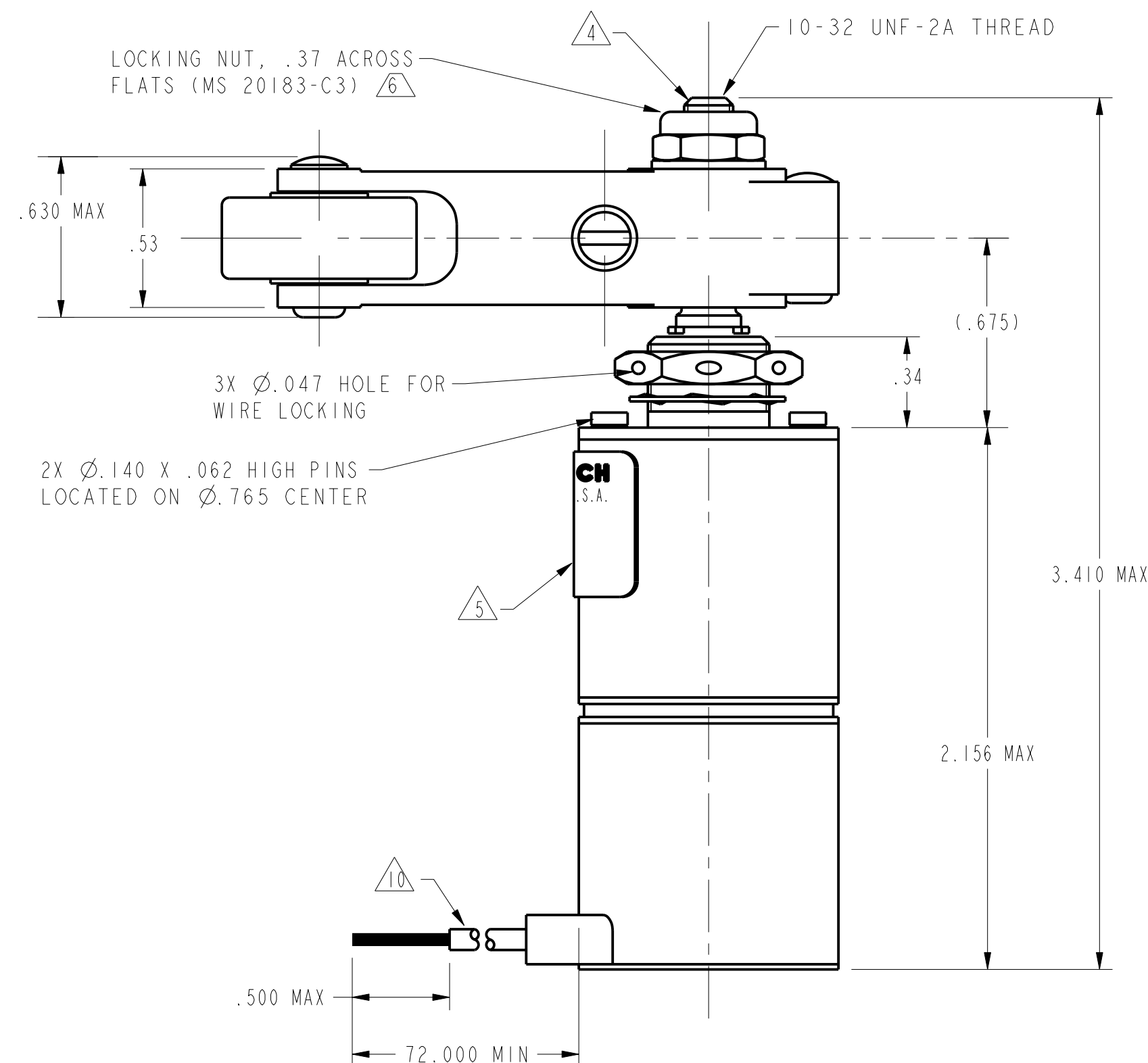
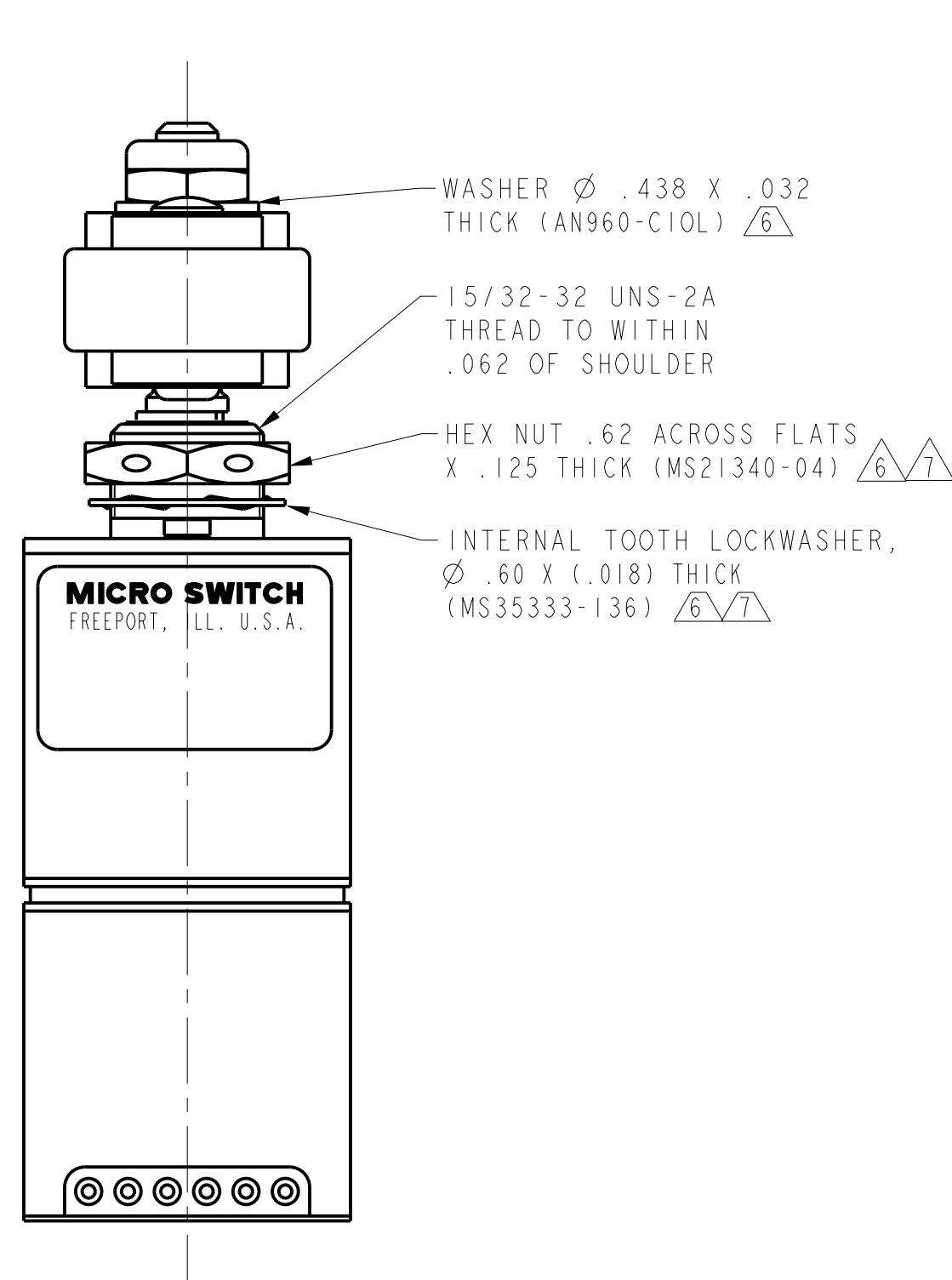
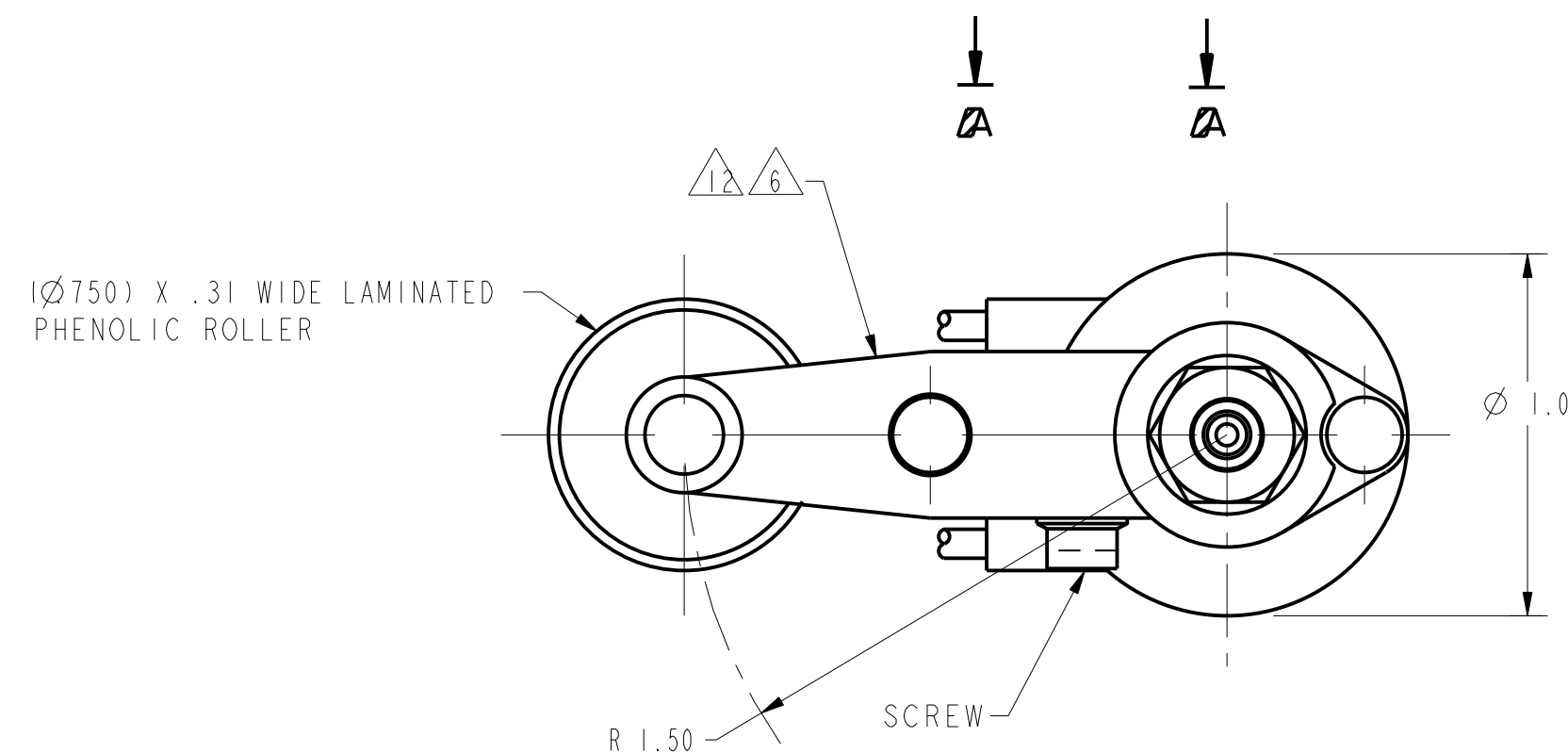






ROLLER LEVER MAY BE ADJUSTED FOR AN INFINITE NUMBER OF POSITIONS THRU 360°. ADJUSTMENT IS MADE BY LOOSENING THE LOCK NUT AND THEN THE SCREW AND TURNING GEAR UNTIL LEVER IS IN DESIRED POSITION. SCREW AND LOCK NUT ON SHAFT IS THEN TIGHTENED TO POSITIVELY LOCK LEVER IN POSITION.

LEVER ADJUSTMENT DETAIL
SCALE 2:1




VIEW  A -  A




SPECIFICATION DETAILS:		M		31EN11-6													
STANDARD:		CONFORMS TO MS21320-1 (MIL-PRF-8805/48), EXCEPT AS NOTED															
CONSTRUCTION:																	
ENCLOSURE DESIGN		RESILIENT SEAL PER MIL-PRF-8805, SYMBOL 4															
CONTACT MATERIAL & CONFIGURATION		SMOOTH SILVER CONTACTS															
CIRCUIT CONFIGURATION		2 SPDT															
TERMINATION		LEADWIRE PER MIL-W-22759/7															
WEIGHT		9.5 OZ MAX															
EXPOSED METALS		CORROSION RESISTANT STAINLESS STEEL 															
ELECTRICAL CHARACTERISTICS:																	
ELECTRICAL RATINGS		<table><tr><td><u>VOLTAGE</u></td><td><u>RESISTIVE</u></td><td><u>LOAD INDUCTIVE</u></td><td><u>MOTOR</u></td></tr><tr><td>28 VDC</td><td>5A</td><td>3A</td><td>4A</td></tr><tr><td>28 VDC</td><td>5A</td><td>2A</td><td></td></tr></table>				<u>VOLTAGE</u>	<u>RESISTIVE</u>	<u>LOAD INDUCTIVE</u>	<u>MOTOR</u>	28 VDC	5A	3A	4A	28 VDC	5A	2A	
<u>VOLTAGE</u>	<u>RESISTIVE</u>	<u>LOAD INDUCTIVE</u>	<u>MOTOR</u>														
28 VDC	5A	3A	4A														
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DIELECTRIC STRENGTH & INSULATION RESISTANCE		<table><tr><td><u>DIELECTRIC STRENGTH</u></td><td><u>INSULATION RESISTANCE</u></td></tr><tr><td>≈ 60 Hz. FOR 5 SECONDS)</td><td>(500 VDC ±10%)</td></tr><tr><td>1000 V Rms, 500μA (MAX. LEAKAGE)</td><td>1000 Megohms MIN</td></tr><tr><td>,</td><td>,</td></tr><tr><td>,</td><td>,</td></tr></table>				<u>DIELECTRIC STRENGTH</u>	<u>INSULATION RESISTANCE</u>	≈ 60 Hz. FOR 5 SECONDS)	(500 VDC ±10%)	1000 V Rms, 500μA (MAX. LEAKAGE)	1000 Megohms MIN	,	,	,	,		
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1000 V Rms, 500μA (MAX. LEAKAGE)	1000 Megohms MIN																
,	,																
,	,																
-BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL																	
-BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS																	
-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE																	
SWITCH RESISTANCE		N/A															
RECOMMENDATION OR USE IN APPLICATIONS LESS THAN .5 amps AND/OR 12 volts		NO 															
MECHANICAL CHARACTERISTICS:																	
CHARACTERISTICS:																	
OPERATING TORQUE		12-25 IN-LBS															
FULL OVERTRAVEL TORQUE		40 IN-LBS MAX															
RELEASE TORQUE		9 IN-LBS MIN															
FREE POSITION																	
PRETRAVEL																	
DIFFERENTIAL TRAVEL																	
OVERTRAVEL																	
MOUNTING STRENGTH		15 IN-LBS															
ACTUATOR STRENGTH		10 LBS APPLIES IN A DIRECTION TO CAUSE SWITCH ACTUATION															
LIFE:																	
MECHANICAL LIFE		25,000 MIN. PER MIL-PRF-8805/48 															
ELECTRICAL LIFE AT FULL RATED LOAD		25,000 MIN. PER MIL-PRF-8805/48 															
ENVIRONMENTAL:																	
TEMPERATURE RANGE		-55 C TO +85 C															
ALTITUDE RANGE		SEA LEVEL TO 50,000 FEET															
SHOCK		PER MIL-PRF-8805 SYMBOL M - 100 g															
VIBRATION		PER MIL-PRF-8805 SYMBOL I - 10-500 Hz. & 10 g peak															
MOISTURE RESISTANCE		PER MIL-PRF-8805															
THERMAL SHOCK		PER MIL-PRF-8805															
SALT SPRAY		PER MIL-PRF-8805															

NOTES

- 1 - UNLESS OTHERWISE NOTED
- 2 - SWITCH SEALED PER MIL-PRF-8805, SYMBOL 4
- 3 - CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
- 4 - DO NOT APPLY MORE THAN 20-25 INCH-POUNDS OF TORQUE WHEN TIGHTENING LOCKING NUT
- 5 - CIRCUIT DIAGRAM, CATALOG LISTING AND MILITARY STANDARD NO. MS 21320-1 ARE SHOWN ON NAMEPLATE
- 6 - HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-PRF-8805
- 7 - REPLACEMENT MOUNTING HARDWARE - PACKET 19PA10
- 8 - .050 WIDE X .050 DEEP SLOT
- 9 - Ø .037 HOLE FOR WIRE LOCKING
- 10 - 6X NO 20 LEAD WIRE PER MIL-W-22759/7 MARKED WITH CIRCUIT IDENTIFICATION AND WIRE GAUGE (1-20, 2-20 ETC) PER MIL-W-5088
- 11 - LIFE RATINGS ARE PER MIL-PRF-8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL DATA
- 12 - DIE CAST ALUMINUM

THIRD ANGLE PROJECTION		
		
SCALE	2 : 1	
DO NOT SCALE PRINT		
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE		
ONE PLACE	(.0)	+ .030
TWO PLACE	(.00)	+ .015
THREE PLACE	(.000)	+ .005
ANGLES		+
WEIGHT	-	

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.			ONE PLACE (.) +.030
FED. MFG. CODE 91929	CATALOG LISTING		TWO PLACE (.00) +.015
 MICRO SWITCH a Honeywell Division	SWITCH - ENCLOSED	31EN11-6	THREE PLACE (.000) +.005
		MILITARY STD PART NUMBER MS21320-1	ANGLES +
			WEIGHT -