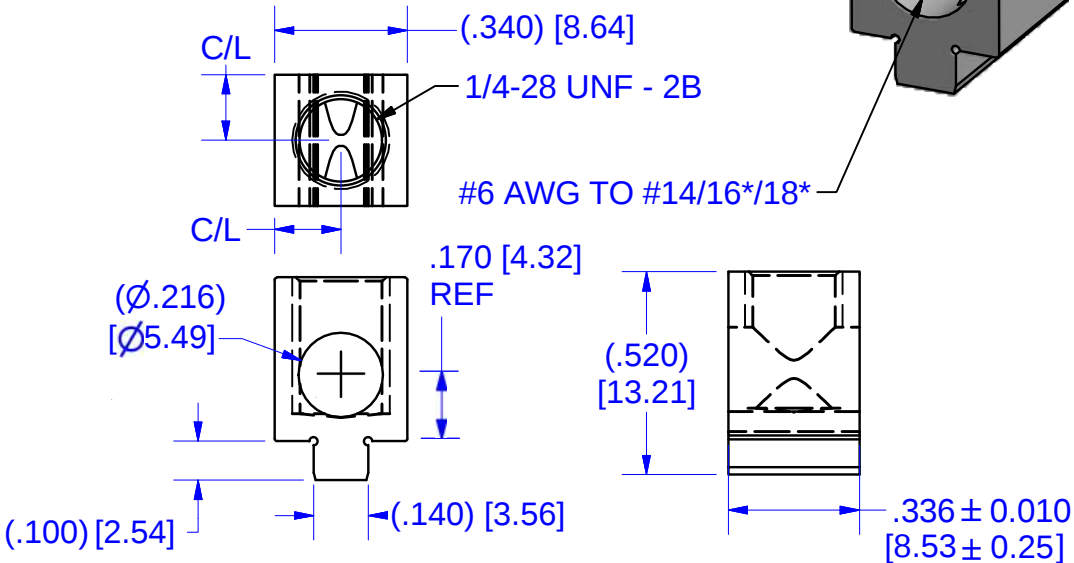


NOT FOR USE WHERE FAILURE CREATES A HAZARD TO HUMAN HEALTH OR SAFETY.
ALL PRODUCTS ARE SUBJECT TO THIS FULL DISCLAIMER:
<http://www.ihconnectors.com/disclaimer.html>

FOR FURTHER INFORMATION ON THE PROPER USE OF THIS PRODUCT IN SPECIFIC APPLICATIONS SEE

ihconnectors.com/GuideToFlexFlexibleFineStrandedWireCableMechanicalLugsFAQ.html
ihconnectors.com/Precautions-when-using-SMT.pdf
ihconnectors.com/FAQ_SMT_SMD_High_CurrentPCB_Terminal_LugsSolderCreep.htm
[ihconnectors.com/NOTESonPCBFootPrintLayouts\(SMT-SMD-Mode\).pdf](http://ihconnectors.com/NOTESonPCBFootPrintLayouts(SMT-SMD-Mode).pdf)
ihconnectors.com/High_Amp_Wide_Trace_PCB_Wire_Connection.html
ihconnectors.com/Technical-Data-Installation.htm

NO MARKING
REQUIRED



NOTES:

1. FINISH: TIN PLATE FOR SOLDERING
2. PART IS NOT UL/CSA LISTED/CERTIFIED (SEE PART B6A-PCB, B6A-PCB-HEX, B6A-PCB-HEX-M FOR UL RATED PARTS) BUT IS CAPABLE OF PASSING UL486
3. FOR .06 PCB MIN. BOARD THICKNESS
4. USE ROUTED SLOT IN PCB FOR .140 FOOT, ALL FINAL PCB SPECS BASED ON BUYER TESTING AND APPROVAL
5. ACCEPTS COPPER OR ALUMINUM WIRE (SOLID OR STRANDED)
FERRULES ARE RECOMMENDED FOR FINE AND STRANDED SMALL WIRES. FOR FLEX WIRE RATINGS WITH FERRULES SEE: ihconnectors.com/Technical-Data-Installation.htm#FERRULE

SMT / SMD SURFACE MOUNT ORIENTATION:

Due to peel off torque limitations, wire size and torque may be limited to 8 AWG maximum in SMT mode. As a practical matter for higher stress SMT mounting configurations, especially horizontal screw axis, only 100% customer testing of the final soldered bond can give the needed measure of proof that all is within the customer desired standard.

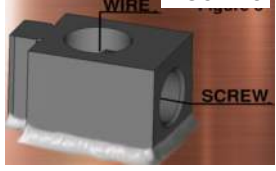
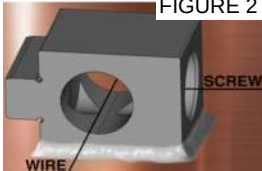


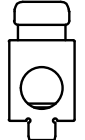
Figure 2: Less Sturdy: Horizontal screw and horizontal wire. Best for factory wiring only.
Figure 3: Least Sturdy: Horizontal screw and vertical wire. Best for factory wiring only.



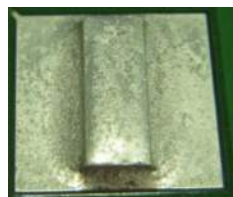
In SMT mode, use of an open ended wrench on the lug is recommended to counter the applied torque in case the soldered mount to PCB is compromised by excessive torque applied through to the soldered PCB joint. Lug body wrench size 11/32" (9mm)

**THT
FOOT & SLOT
MOUNTED
ORIENTATION:**

#2 ROBERTSON SQUARE
SOCKET & SLOT



B6A-PCB-RS
[FLAT POINT]



**Wire Binding Screw Suggested Torque
Chart for Wire Stranding Classes Listed in
NEC Code Wires* AWG 6-18** (mm² 10-1.5)**

AWG	mm²	in-lb	N-M
6	-	35	3.95
-	10		
8	-	25	2.82
-	6		
10	-		
-	4		
12	-		
-	2.5		
14	-	20	2.26
-	1.5		
16**	-		
-	1		
18**	-		

*For parts with No Screw (i.e. XXX-PCB-NS) Suggested Torque is User Controlled. Wire binding screw torque not applicable to ring lug clamping screws. Suitable torques for [Flex wire stranding classes](#) may be different than listed.
**16 and 18 AWG or fine stranded wires only to use wire ferrules.

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INTERNATIONAL HYDRAULICS, INC.

GENERAL
TOLERANCES
Ø.015

TITLE:
**AWG 6-14(-16-18) PCB TERMINAL 65
AMP, THT FOOT MOUNTED
SALES PRINT**

MATERIAL: **6061-T6
(13521)**

SIZE:
DRAWN BY:
TDS

DWG NO.:
B6A-PCB-RS WEB
REV:
2

FINISH:
SEE NOTE

DATE:
11/14/11

THIS IS A CAD DRAWING, DO
NOT MANUALLY REVISE