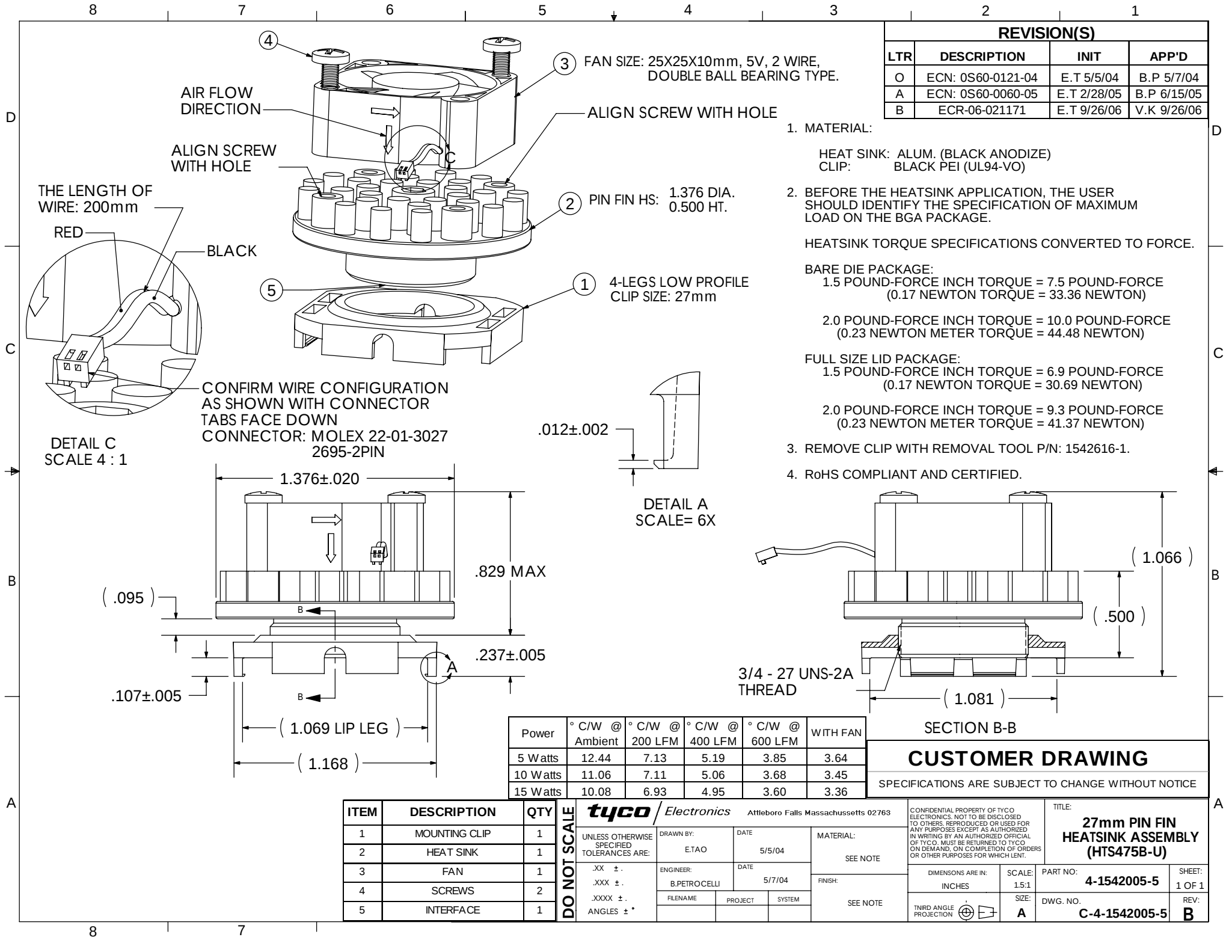




REVISION(S)			
LTR	DESCRIPTION	INIT	APP'D
O	ECN: 0S60-0121-04	E.T 5/5/04	B.P 5/7/04
A	ECN: 0S60-0060-05	E.T 2/28/05	B.P 6/15/05
B	ECR-06-021171	E.T 9/26/06	V.K 9/26/06

1. MATERIAL:
- HEAT SINK: ALUM. (BLACK ANODIZE)
CLIP: BLACK PEI (UL94-VO)
2. BEFORE THE HEATSINK APPLICATION, THE USER SHOULD IDENTIFY THE SPECIFICATION OF MAXIMUM LOAD ON THE BGA PACKAGE.
- HEATSINK TORQUE SPECIFICATIONS CONVERTED TO FORCE.
- BARE DIE PACKAGE:
1.5 POUND-FORCE INCH TORQUE = 7.5 POUND-FORCE (0.17 NEWTON TORQUE = 33.36 NEWTON)
- 2.0 POUND-FORCE INCH TORQUE = 10.0 POUND-FORCE (0.23 NEWTON METER TORQUE = 44.48 NEWTON)
- FULL SIZE LID PACKAGE:
1.5 POUND-FORCE INCH TORQUE = 6.9 POUND-FORCE (0.17 NEWTON TORQUE = 30.69 NEWTON)
- 2.0 POUND-FORCE INCH TORQUE = 9.3 POUND-FORCE (0.23 NEWTON METER TORQUE = 41.37 NEWTON)
3. REMOVE CLIP WITH REMOVAL TOOL P/N: 1542616-1.
4. RoHS COMPLIANT AND CERTIFIED.

Power	° C/W @ Ambient	° C/W @ 200 LFM	° C/W @ 400 LFM	° C/W @ 600 LFM	WITH FAN
5 Watts	12.44	7.13	5.19	3.85	3.64
10 Watts	11.06	7.11	5.06	3.68	3.45
15 Watts	10.08	6.93	4.95	3.60	3.36

ITEM	DESCRIPTION	QTY
1	MOUNTING CLIP	1
2	HEAT SINK	1
3	FAN	1
4	SCREWS	2
5	INTERFACE	1

DO NOT SCALE

tyco / <i>Electronics</i>		Attleboro Falls Massachusetts 02763	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	DRAWN BY:	DATE	MATERIAL:
	E.TAO	5/5/04	SEE NOTE
	ENGINEER:	DATE	FINISH:
	B.PETROCELLI	5/7/04	
	FILENAME	PROJECT	
ANGLES ± °			SEE NOTE

CONFIDENTIAL PROPERTY OF TYCO ELECTRONICS. NOT TO BE DISCLOSED TO OTHERS. REPRODUCED OR USED FOR ANY PURPOSES EXCEPT AS AUTHORIZED IN WRITING BY AN AUTHORIZED OFFICIAL OF TYCO. MUST BE RETURNED TO TYCO ON DEMAND, ON COMPLETION OF ORDERS OR OTHER PURPOSES FOR WHICH LENT.		TITLE: 27mm PIN FIN HEATSINK ASSEMBLY (HTS475B-U)	
DIMENSIONS ARE IN: INCHES	SCALE: 1.5:1	PART NO: 4-1542005-5	SHEET: 1 OF 1
THIRD ANGLE PROJECTION 	SIZE: A	DWG. NO. C-4-1542005-5	REV: B