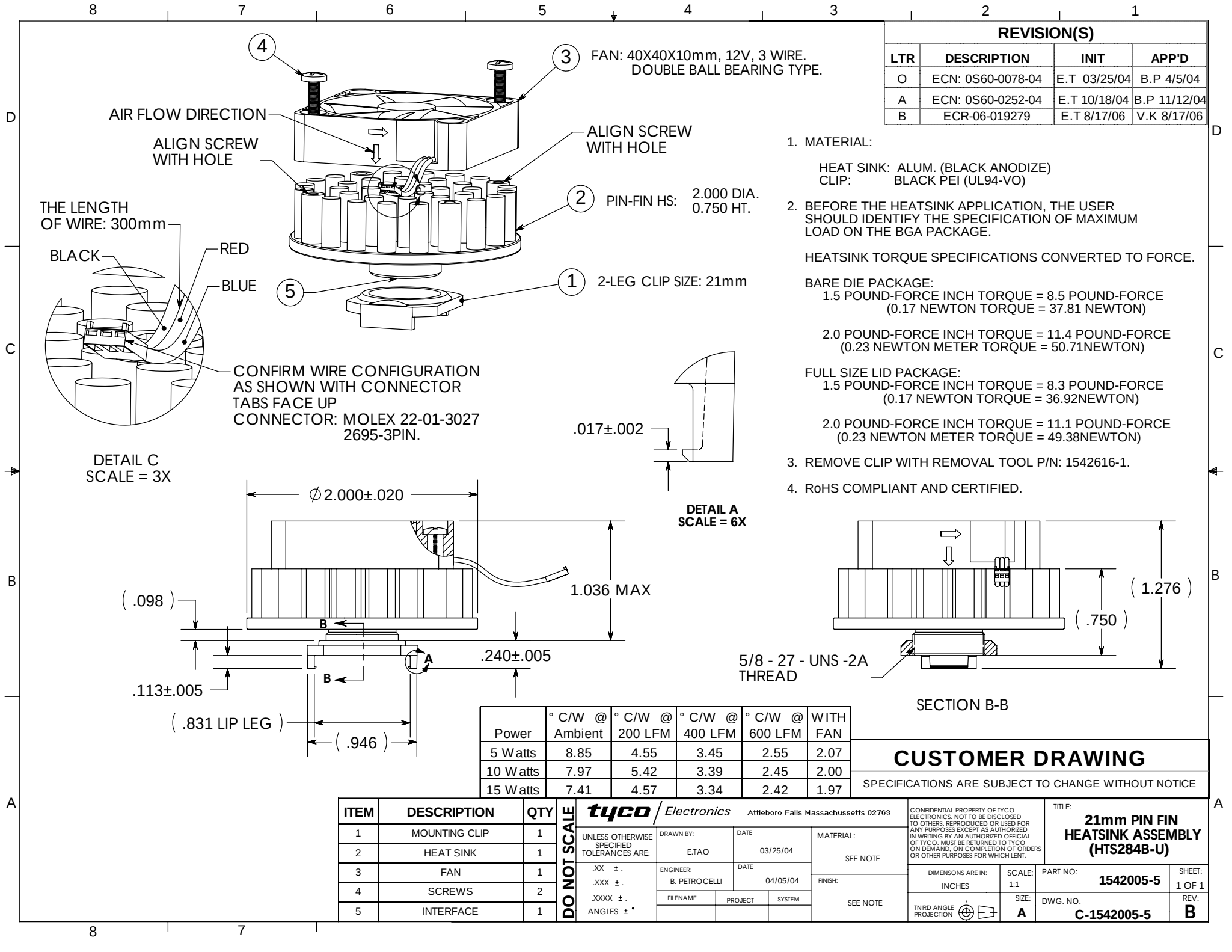




REVISION(S)

LTR	DESCRIPTION	INIT	APP'D
O	ECN: 0S60-0078-04	E.T 03/25/04	B.P 4/5/04
A	ECN: 0S60-0252-04	E.T 10/18/04	B.P 11/12/04
B	ECR-06-019279	E.T 8/17/06	V.K 8/17/06

FAN: 40X40X10mm, 12V, 3 WIRE.
DOUBLE BALL BEARING TYPE.

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 = 8.5 POUND-FORCE
(0.17 NEWTON TORQUE = 37.81 NEWTON)
- 2.0 POUND-FORCE INCH TORQUE = 11.4 POUND-FORCE
(0.23 NEWTON METER TORQUE = 50.71NEWTON)
- FULL SIZE LID PACKAGE:
1.5 POUND-FORCE INCH TORQUE = 8.3 POUND-FORCE
(0.17 NEWTON TORQUE = 36.92NEWTON)
- 2.0 POUND-FORCE INCH TORQUE = 11.1 POUND-FORCE
(0.23 NEWTON METER TORQUE = 49.38NEWTON)
3. REMOVE CLIP WITH REMOVAL TOOL P/N: 1542616-1.
4. RoHS COMPLIANT AND CERTIFIED.

.017±.002

DETAIL A
SCALE = 6X

5/8 - 27 - UNS -2A
THREAD

SECTION B-B

Power	° C/W @ Ambient	° C/W @ 200 LFM	° C/W @ 400 LFM	° C/W @ 600 LFM	WITH FAN
5 Watts	8.85	4.55	3.45	2.55	2.07
10 Watts	7.97	5.42	3.39	2.45	2.00
15 Watts	7.41	4.57	3.34	2.42	1.97

CUSTOMER DRAWING

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

ITEM	DESCRIPTION	QTY	tyco Electronics	Attleboro Falls Massachusetts 02763	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: 21mm PIN FIN HEATSINK ASSEMBLY (HTS284B-U)
1	MOUNTING CLIP	1	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	DRAWN BY: E.TAO	DATE: 03/25/04	MATERIAL: SEE NOTE
2	HEAT SINK	1	.XX ± .	ENGINEER: B. PETROCELLI	DATE: 04/05/04	FINISH: SEE NOTE
3	FAN	1	.XXX ± .	FILENAME	PROJECT	SYSTEM
4	SCREWS	2	.XXXX ± .			
5	INTERFACE	1	ANGLES ± °			

DIMENSIONS ARE IN: INCHES	SCALE: 1:1	PART NO: 1542005-5	SHEET: 1 OF 1
THIRD ANGLE PROJECTION	SIZE: A	DWG. NO. C-1542005-5	REV: B