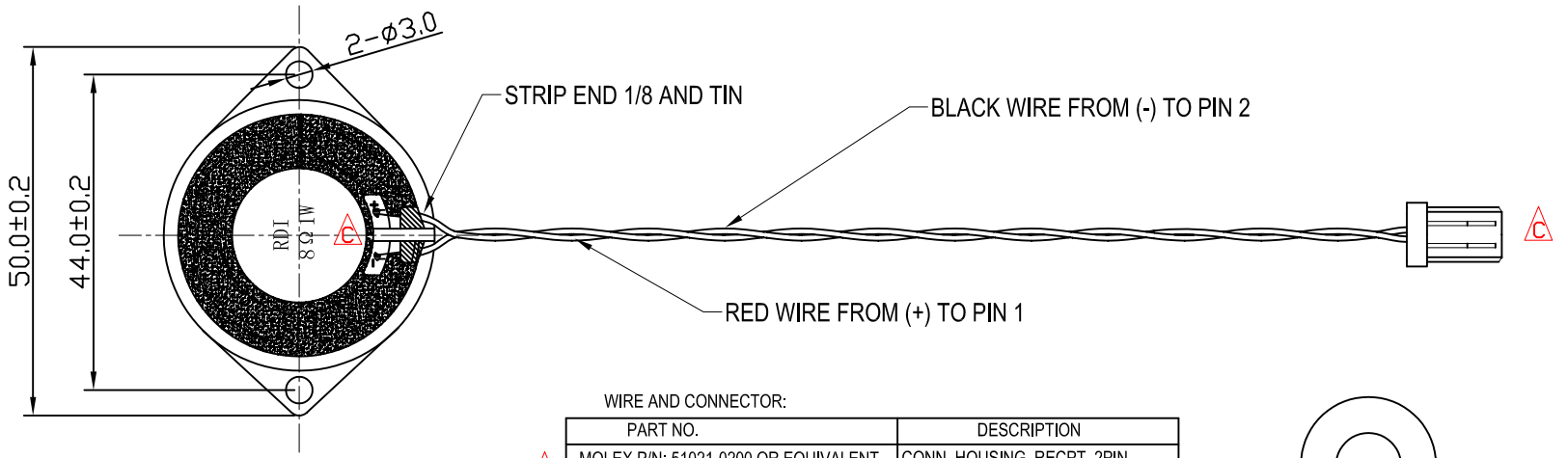
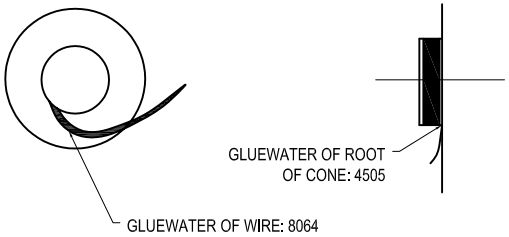
DWG. NO. SP-3455-F REV. "C"

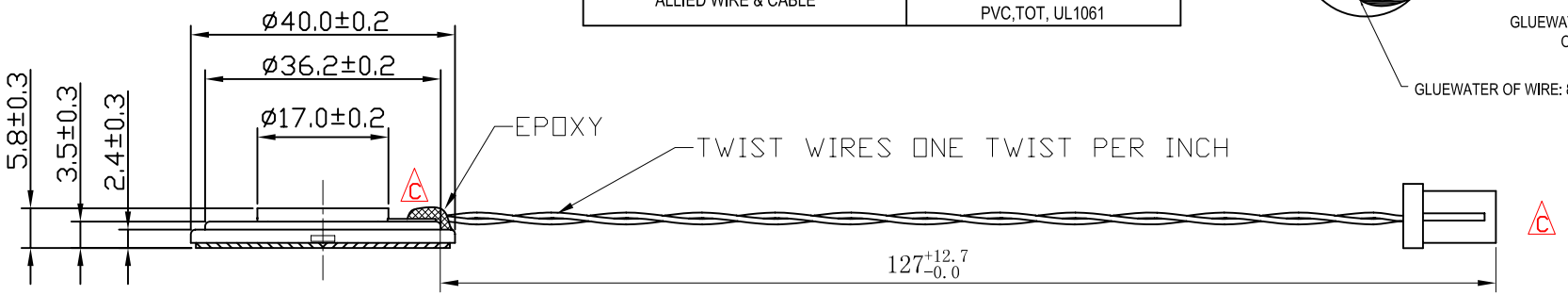
PART NO. RNR-M40A575S-NL

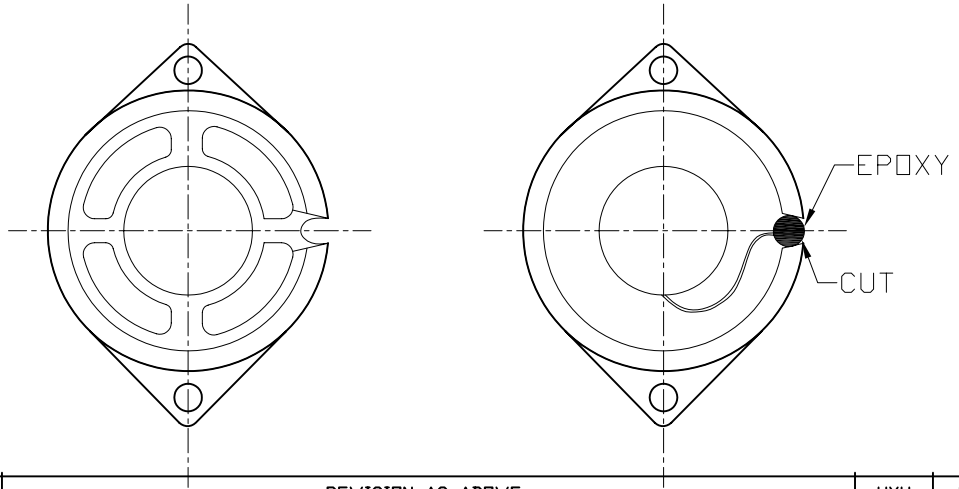


WIRE AND CONNECTOR:

PART NO.	DESCRIPTION
C MOLEX P/N: 51021-0200 OR EQUIVALENT	CONN, HOUSING, RECPT, 2PIN,
MOLEX P/N: 50079-8000 OR EQUIVALENT	CONN, HOUSING, HDW, FEMALE
ALLIED WIRE & CABLE	WIRE, HOOKUP, 26AWG, 7/34, RED, PVC,TOT, UL1061







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08-308	08/19/08	B	ADDED THE PAGE 3&4	GM	JY
08-294	08/07/08	A	REVISED THE DRAWING TO NEW PRINT	GM	JY

PROJECTION

SCALE N/A

TOLERANCE EXCEPT AS NOTED

DEC. INCHES N/A

DEC. MILLIMETERS ±0.3

ANG. N/A

RDI Research Develop Innovate

RDI, Inc. 400 Columbus Avenue Valhalla, NY 10595

TITLE: SPEAKER-RoHS COMPLIANT

DR.	DATE	REF.	SHEET
Jin	06/17/08	P/N: RNR-M40A575S-NL	1 OF 4

CK.	PRE-	DRAWING NO.	SIZE	REV.
GM	SP	3455	F	C

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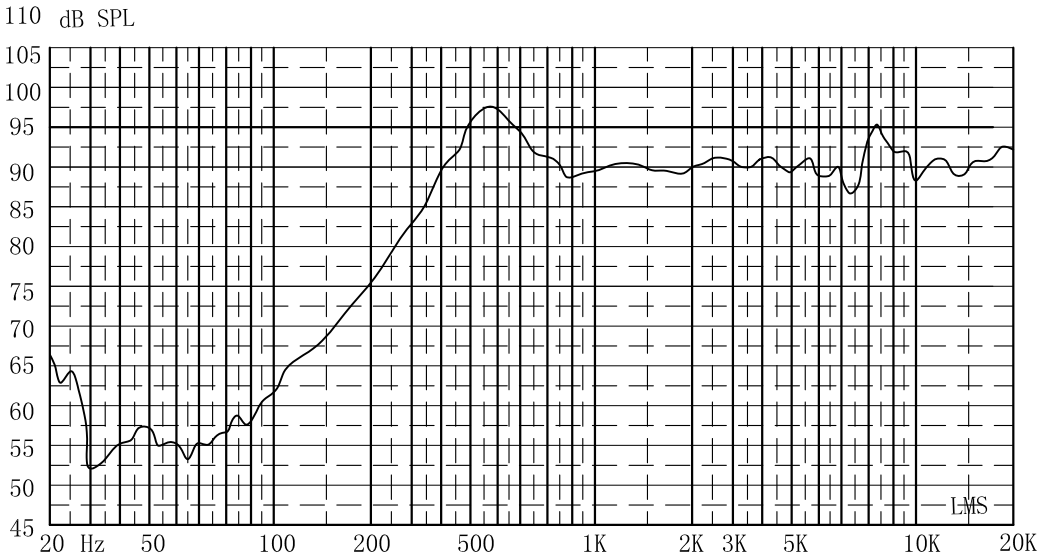
PART NO. RNR-M40A575S-NL

NO.	ITEM	SPECIFICATION	TEST CONDITION
1	NOMINAL FREQUENCY	8±1.2 Ohm	AT 1KHz 1.0 V
2	RESONANCE FREQUENCY	460±92Hz	WITHOUT BAFFLE 1.0V
3	OUTPUT S.P.L	90±3dB 0.1W/ 0.1M	AT 800,1000,1200,1500Hz
4	RATED INPUT POWER	1W	
5	MAX.INPUT POWER	1.5W	
6	FREQUENCY.RESPONSE	F0~20KHz	OUTPUT S.P.L-10dB
7	BUZZES & RATTLES	SHOULD NOT BE AUDIBLE BUZZ AND RATTLE	AT 4.47V SINE WAVE BETWEEN 300Hz~3KHz
8	DISTORTION	5% MAX	RATED POWER INPUT 1000Hz
9	POLARITY	WHEN A POSITIVE D.C CURRENT IS APPLIED TO THE VOICE COIL TERMINAL MARKED +,THE DIAPHRAGM SHALL MOVE FORWARD	
10	FLUX DENSITY	GAUSS	
11	MAGNET	SIZE: Ø12.5*1.5mm	
12	HIGH TEMPERATURE TEST	AFTER HAVING BEEN IN A TEST CHAMBER FOR 48 HOURS AT THE CONDITION OF 70℃±2℃ 20~25% R.H AND THEN LEFT 2 HOURS IN A ROOM.SHOULD SATISFY THE DESCRIBED UNDER ITEM 01 AND 07	
13	LOW TEMPERATURE TEST	AFTER HAVING BEEN IN A TEST CHAMBER FOR 48 HOURS AT THE CONDITION OF -30℃ ± 3℃ AND THEN LEFT 2 HOURS IN A ROOM. SHOULD SATISFY THE DESCRIBED UNDER ITEM 01 AND 07	
14	HUMIDITY TEST	AFTER HAVING BEEN IN A TEST CHAMBER FOR 48 HOURS AT THE CONDITION OF +40℃±2℃ 90~95% R.H AND THEN LEFT 4 HOURS IN A ROOM.SHOULD SATISFY THE DESCRIBED UNDER ITEM 01 AND 07	
15	LOAD TEST	AT 0.2W WHITE NOISE IS APPLIED FOR 48 HOURS AND THEN SHOULD SATISFY THE DESCRIBED UNDER ITEM 01 AND 07	
16	DROP TEST	DROP THE SPEAKERS CONTAINED IN NORMAL BOX ONTO A BOARD 5mm THICK 2 TIMES FROM A HEIGHT OF 1.0m AND THEN SHOULD SATISFY THE DESCRIBED UNDER ITEM 01 AND 07	
17	OPERATING TEMPERATURE	-25℃ TO +60℃	
18	STORAGE TEMPERATURE	-30℃ TO +70℃	

SPL vs Freq



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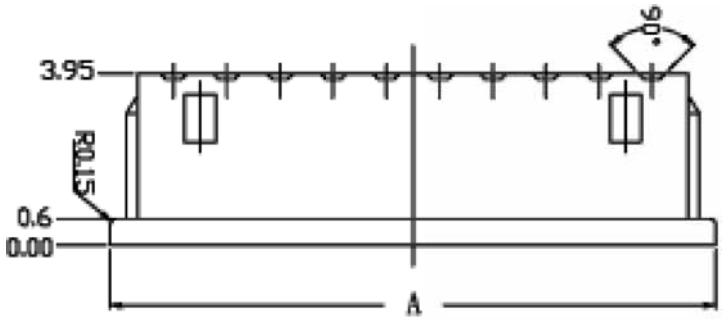

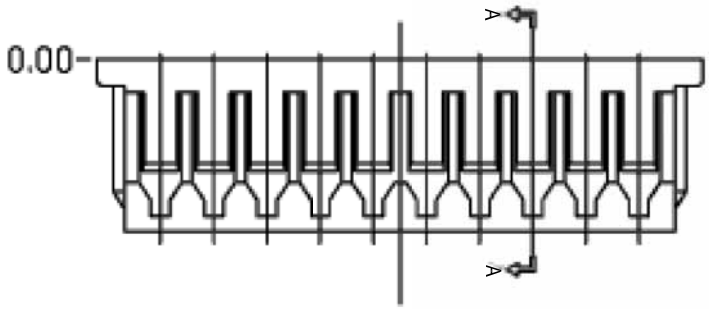

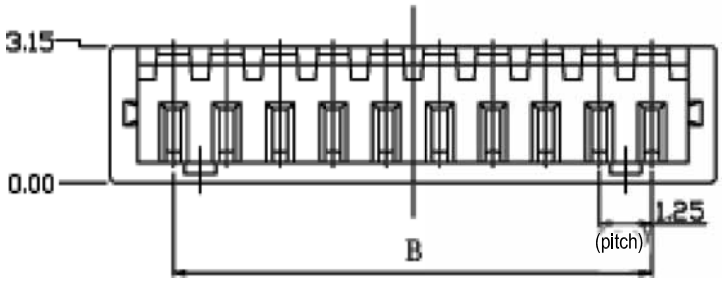

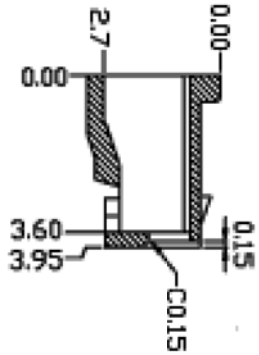

A-A SECTION

MATERIAL: NYLON66, UL94-0
CURRENT RATING: 1A AC,DC
VOLTAGE RATING: 125V AC, DC
TEMPERATURE RANGE: -25℃~+85℃
CONTACT RESISTANCE: 20mOHM MAX.
INSULATION RESISTANCE: 100MOHM MIN.
WITHSTANDING VOLTAGE: 500V AC/MINUTE
CONTACT K J FOR DETAILS

PART No.	DIMENSION	
	A	B
K1250-2P	4.20	1.25
K1250-3P	5.50	2.50
K1250-4P	6.70	3.75
K1250-5P	8.00	5.00
K1250-6P	9.20	6.25
K1250-7P	10.50	7.50
K1250-8P	11.70	8.75
K1250-9P	13.00	10.00
K1250-10P	14.20	11.25
K1250-11P	15.50	12.50
K1250-12P	4.20	13.75
K1250-13P	16.70	15.00
K1250-14P	18.00	16.25
K1250-15P	19.20	17.50
K1250-16P	21.70	18.75

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PROJECTION

SCALE N/A

TOLERANCE EXCEPT AS NOTED
DEC. MILLIMETERS
.X±0.30
.XX±0.20
.XXX±0.15
ANG. N/A

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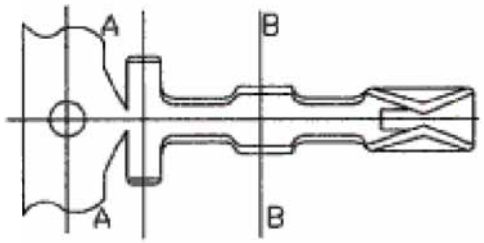

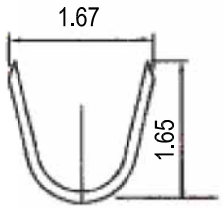

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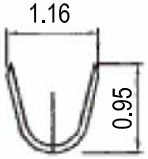
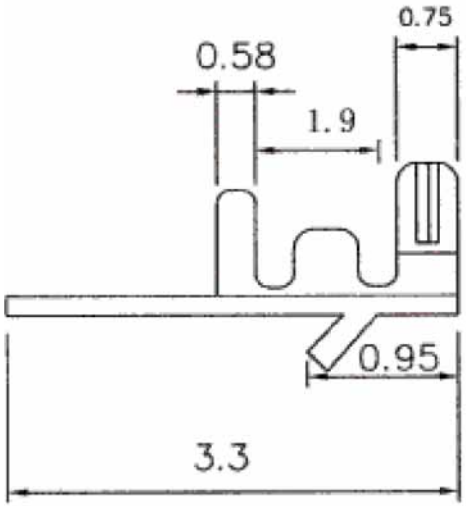
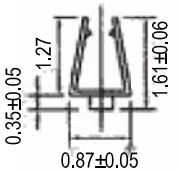


B-B SECTION





TERMINAL:
.PART No.: 1250-T M1.25-T
.MATERIAL: PHOS BTONZE
.THICKNESS: 0.15mm
. PLATED 80u"
.WIRE RANGE: SRITABLE FOR AWG#28-32
.INSULATION O.D: 1.00mm(MAX.)
.Q'TY: 15,000PCS/ROLL
.ACCEPTS HOUSING: 1025-H

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