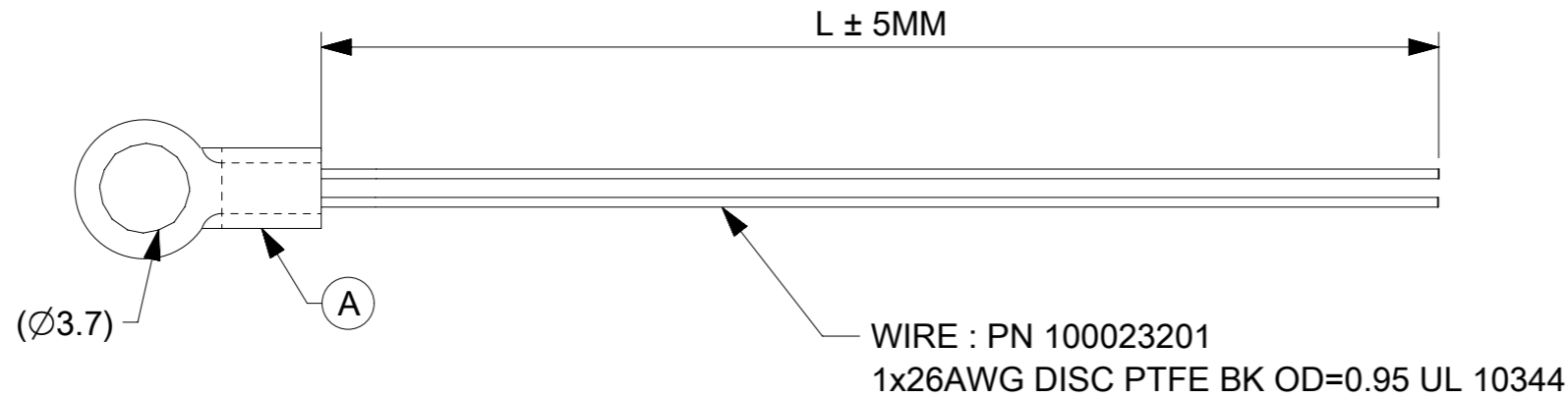


BILL OF MATERIALS:

ITEM	PN	DESCRIPTION	QTY	UOM
A	NTC PROBE (Refer Sheet 2)	NTC Thermistor Ring Terminal	1	PC



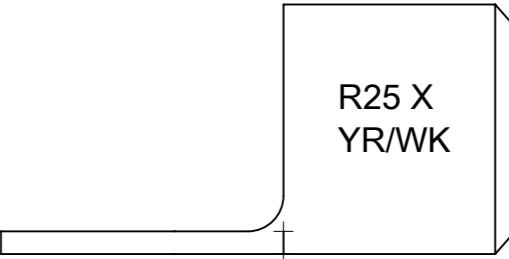
NOTES:

1. RESISTANCE TO BE TESTED 100% AT 25°C ▽
2. RESISTANCE TOLERANCE @ 25°C : SEE CHART (SHEET 2).
3. B-VALUE(25/85°C) : SEE CHART (SHEET 2)
4. OPERATING TEMPERATURE RANGE : -40°C TO +105°C.
5. RING TERMINAL MOUNTING HOLE DIAMETER : 3.7MM
6. TERMINAL MUST BE NICKEL PLATED COPPER.
7. VOLTAGE BREAKDOWN STRENGTH : MIN 1500VAC FOR 3SEC BETWEEN CONDUCTOR AND EYELET/RING LUG
8. RESPONCE TIME : APPROX 5 SECOND IN WATER
- 9.INSULATION RESISTANCE :MINIMUM OF 100MOHM @ 500VOLTS DC IN METALIC BALLS
- 10.LENGTH VARIATION BETWEEN TWO WIRES ARE NOT ALLOWED

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
SYMBOLS	DIMENSION UNITS	SCALE	CURRENT REV DESC:				molex		
	mm	NTS							
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 644545				NTC THERMISTOR RING TERMINAL PROBE		
▽ = 0	ANGULAR TOL ± °		DRWN: RAVIKM 2020/09/02						
▽ = 0	4 PLACES	±	CHK'D: RK 2020/09/03				PRODUCT CUSTOMER DRAWING		
▽ = 0	3 PLACES	±	APPR: RK 2020/09/03						
▽ = 0	2 PLACES	±	INITIAL REVISION:				DOCUMENT NUMBER		
▽ = 0	1 PLACE	±	DRWN: RAVIKM 2020/02/25						
▽ = 0	0 PLACES	±	APPR: RK 2020/03/05				DOC TYPE		
□ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES			
▽ = 0			A3-SIZE		214650	GENERAL MARKET		000	A2
						SEE SPEC TABLE		1 OF 2	

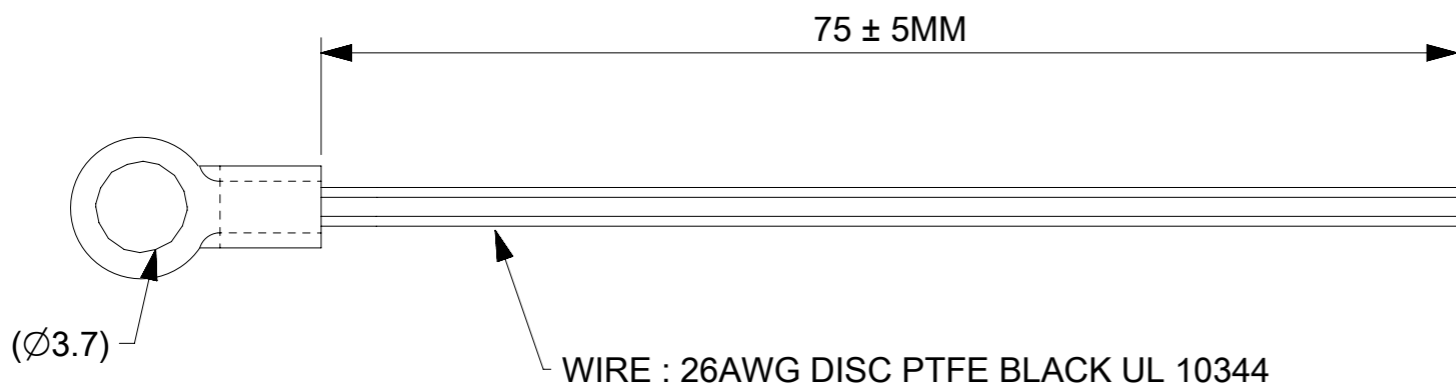
PART NO	NTC PROBE PN	RESISTANCE AT 25°C (KΩ)	RESISTANCE TOLERANCE (±%)	B VALUE (25/85°C)	B VALUE TOLERANCE (±%)	WIRE LENGTH (L)MM
2146501633	369050096	10K	1	3500	1	75mm
2146502633	369050097	10K	2	3500	1	75mm
2146521633	369050098	10K	1	3800	1	75mm
2146522633	369050099	10K	2	3800	1	75mm
2146541633	369050100	10K	1	3964	1	75mm
2146542633	369050101	10K	2	3964	1	75mm
2146551633	369050102	10K	1	3982	1	75mm
2146552633	369050103	10K	2	3982	1	75mm

LASER MARKING DETAILS



B VALUE	CODE(X)
3500	MA
3800	MB
3964	MC
3982	MD

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		molex		
▽ = 0	DIMENSION UNITS: mm	SCALE: NTS	NTC THERMISTOR RING TERMINAL PROBE		
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				
▽ = 0	ANGULAR TOL ± °		PRODUCT CUSTOMER DRAWING		
▽ = 0	4 PLACES ±	EC NO: 644545			
▽ = 0	3 PLACES ±	DRWN: RAVIKM 2020/09/02	DOCUMENT NUMBER: 2146501633 DOC TYPE: PSD DOC PART: 000 REVISION: A2		
▽ = 0	2 PLACES ±	CHK'D: RK 2020/09/03			
▽ = 0	1 PLACE ±	APPR: RK 2020/09/03	MATERIAL NUMBER: SEE SPEC TABLE CUSTOMER: GENERAL MARKET SHEET NUMBER: 2 OF 2		
▽ = 0	0 PLACES ±	INITIAL REVISION:			
☒ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: RAVIKM 2020/02/25	SERIES: 214650	
▽ = 0	THIRD ANGLE PROJECTION		APPR: RK 2020/03/05		



LASER MARKING DETAILS	
R25 X YR/WK	
B VALUE	CODE(X)
3800	MB

RESISTANCE VS TEMP CHARACTERISTICS:

Temp(°C)	R min (KΩ)	R nom (KΩ)	R max (KΩ)	Temp(°C)	R min (KΩ)	R nom (KΩ)	R max (KΩ)
-40	274.5	286.8	299.5	50	3.712	3.786	3.861
-35	201.2	209.6	218.2	55	3.099	3.166	3.235
-30	149.2	154.9	160.8	60	2.599	2.660	2.723
-25	111.8	115.7	119.7	65	2.190	2.245	2.302
-20	84.560	87.290	90.090	70	1.853	1.903	1.954
-15	64.480	66.370	68.320	75	1.574	1.619	1.665
-10	49.620	50.950	52.300	80	1.343	1.383	1.425
-5	38.530	39.460	40.400	85	1.146	1.182	1.220
0	30.160	30.810	31.470	90	0.981	1.014	1.047
5	23.800	24.250	24.710	95	0.842	0.872	0.902
10	18.920	19.230	19.550	100	0.725	0.752	0.779
15	15.140	15.360	15.580	105	0.626	0.650	0.675
20	12.210	12.360	12.500	110	0.542	0.564	0.586
25	9.900	10.000	10.100	115	0.471	0.490	0.510
30	8.046	8.144	8.242	120	0.410	0.427	0.445
35	6.577	6.671	6.765	125	0.357	0.373	0.389
40	5.407	5.494	5.583	130	0.304	0.319	0.333
45	4.469	4.549	4.631	135	0.251	0.265	0.277

NOTES:

1. RESISTANCE TOLERANCE @ 25°C : 10KΩ±1%.
2. B-VALUE(25/85°C) : 3800K±1%.
3. OPERATING TEMPERATURE RANGE : -40°C TO +105°C.
4. RING TERMINAL MOUNTING HOLE DIAMETER : 3.7MM.
5. TERMINAL IS NICKEL PLATED COPPER.
6. VOLTAGE BREAKDOWN STRENGTH : MIN 1500VAC FOR 3SEC BETWEEN CONDUCTOR AND EYELET/RING LUG
7. RESPONCE TIME : APPROX 10 SECOND IN LIQUID MEDIUM
8. INSULATION RESISTANCE :MINIMUM OF 100MOHM @ 500VOLTS DC IN METALIC BALLS.

DOCUMENT STATUS	P1	RELEASE DATE	2021/03/17	06:57:12
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FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC:		molex																										
	<table border="1"> <tr><th>FUNCTIONAL SYMBOLS</th><th>DIMENSION UNITS</th><th>SCALE</th></tr> <tr><td>∇/A = 0</td><td>mm</td><td>NTS</td></tr> <tr><td>∇/E = 0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td></tr> <tr><td>∇/V = 0</td><td colspan="2">ANGULAR TOL ± °</td></tr> <tr><td></td><td>4 PLACES</td><td>±</td></tr> <tr><td></td><td>3 PLACES</td><td>±</td></tr> <tr><td></td><td>2 PLACES</td><td>±</td></tr> <tr><td></td><td>1 PLACE</td><td>±</td></tr> <tr><td></td><td>0 PLACES</td><td>±</td></tr> </table>	FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE	∇/A = 0	mm	NTS	∇/E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		∇/V = 0	ANGULAR TOL ± °			4 PLACES	±		3 PLACES	±		2 PLACES	±		1 PLACE	±		0 PLACES	±	EC NO: 657688 DRWN: RAVIKM 2021/03/10 APPR: RBBHASKAR 2021/03/17 INITIAL REVISION: DRWN: RAVIKM 2021/03/10 APPR: RBBHASKAR 2021/03/17
FUNCTIONAL SYMBOLS	DIMENSION UNITS	SCALE																												
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DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING A3-SIZE	SERIES 214652																										
PRODUCT CUSTOMER DRAWING		DOCUMENT NUMBER 2146521633	DOC TYPE PSD	DOC PART 000																										
SHEET NUMBER 1 OF 1		CUSTOMER OTS		REVISION A																										