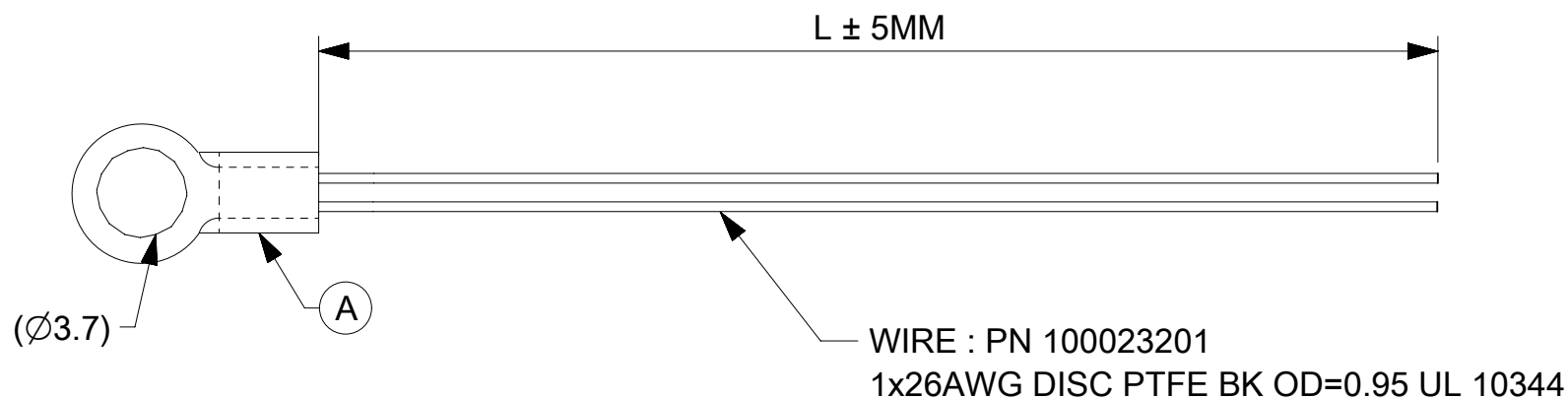


BILL OF MATERIALS:

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

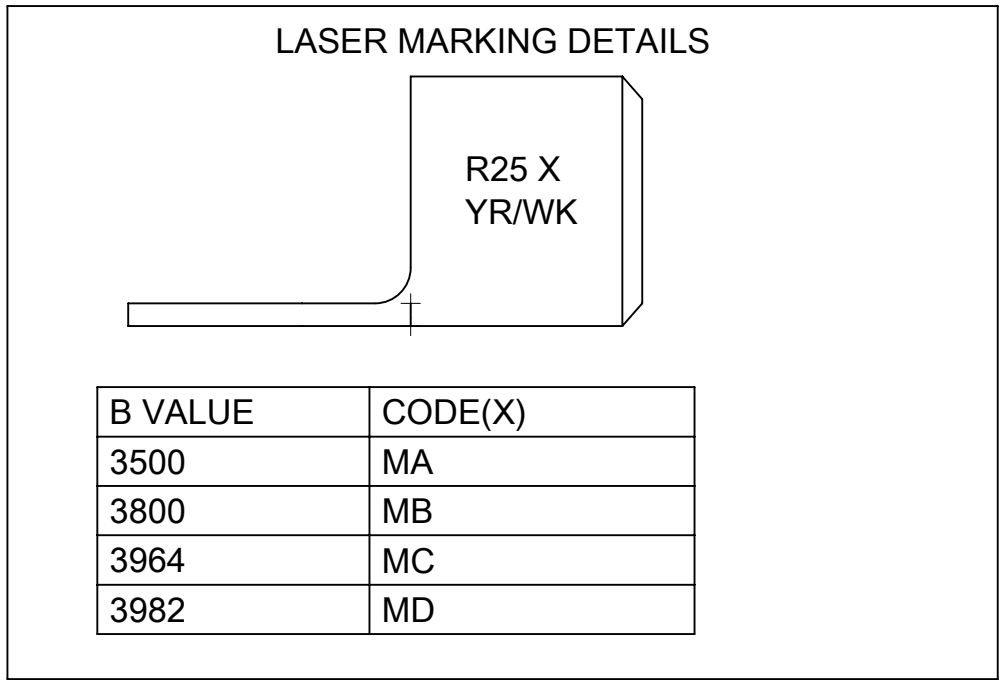


NOTES:

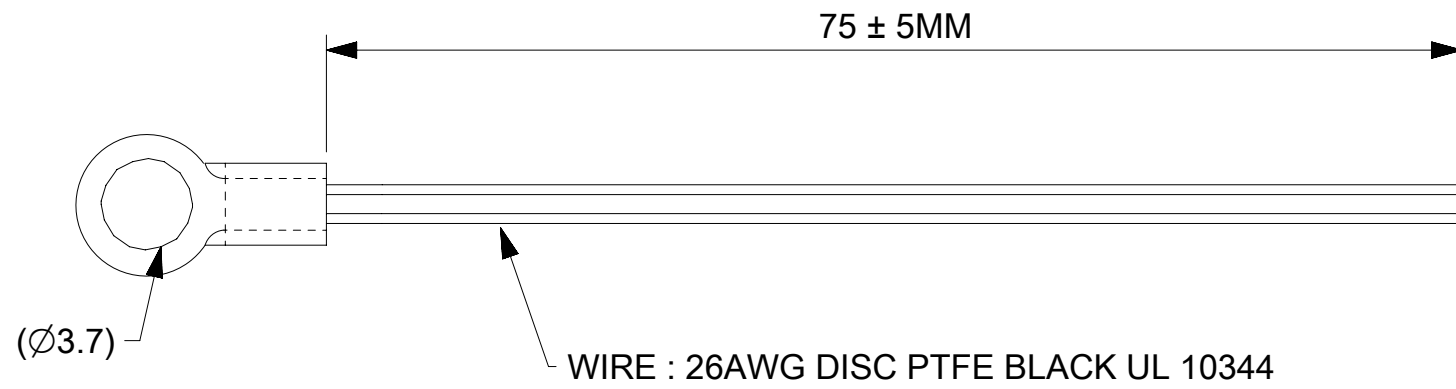
1. RESISTANCE TO BE TESTED 100% AT 25°C ▽
2. RESISTANCE TOLERANCE @ 25°C : SEE CHART (SHEET 2).
3. B-VALUE(25/85°C) : SEE CHART (SHEET 2)
4. OPERATING TEMPERATURE RANGE : -40°C TO +105°C.
5. RING TERMINAL MOUNTING HOLE DIAMETER : 3.7MM
6. TERMINAL MUST BE NICKEL PLATED COPPER.
7. VOLTAGE BREAKDOWN STRENGTH : 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:				
▽ = 0	mm	NTS				molex				
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)					NTC THERMISTOR RING TERMINAL PROBE				
▽ = 0	ANGULAR TOL ± °					PRODUCT CUSTOMER DRAWING				
▽ = 0	4 PLACES	±		EC NO: 644545		DOCUMENT NUMBER				
▽ = 0	3 PLACES	±		DRWN: RAVIKM 2020/09/02		2146501633		DOC TYPE	DOC PART	REVISION
▽ = 0	2 PLACES	±		CHK'D: RK 2020/09/03		PSD		000	A2	
▽ = 0	1 PLACE	±		APPR: RK 2020/09/03		INITIAL REVISION:				
▽ = 0	0 PLACES	±		DRWN: RAVIKM 2020/02/25		A3-SIZE		214650		SEE SPEC TABLE
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
▽ = 0					A3-SIZE		214650		CUSTOMER	
						GENERAL MARKET		SHEET NUMBER		
								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



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	SCALE	CURRENT REV DESC:			NTC THERMISTOR RING TERMINAL PROBE
▽ = 0	mm	NTS	EC NO: 644545			
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: RAVIKM 2020/09/02			PRODUCT CUSTOMER DRAWING
▽ = 0	ANGULAR TOL ± °		CHK'D: RK 2020/09/03			
▽ = 0	4 PLACES ±		APPR: RK 2020/09/03			DOCUMENT NUMBER 2146501633
▽ = 0	3 PLACES ±		INITIAL REVISION:			
▽ = 0	2 PLACES ±		DRWN: RAVIKM 2020/02/25			DOC TYPE PSD
▽ = 0	1 PLACE ±		APPR: RK 2020/03/05			
▽ = 0	0 PLACES ±		DOC PART 000			REVISION A2
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NUMBER 2 OF 2			
▽ = 0	THIRD ANGLE PROJECTION		DRAWING A3-SIZE	SERIES 214650	MATERIAL NUMBER SEE SPEC TABLE	CUSTOMER GENERAL MARKET



LASER MARKING DETAILS	
R25 X YR/WK	
B VALUE	CODE(X)
3982	MD

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	276.7	290.5	305.0	50	3.529	3.619	3.711
-35	203.1	212.6	222.5	55	2.920	3.000	3.082
-30	150.7	157.3	164.1	60	2.427	2.498	2.571
-25	113.0	117.5	122.3	65	2.027	2.090	2.155
-20	85.470	88.690	92.000	70	1.700	1.756	1.813
-15	65.210	67.480	69.810	75	1.431	1.481	1.532
-10	50.180	51.790	53.440	80	1.210	1.254	1.300
-5	38.940	40.080	41.250	85	1.028	1.067	1.108
0	30.440	31.260	32.090	90	0.877	0.912	0.948
5	24.020	24.600	25.200	95	0.750	0.782	0.814
10	19.060	19.480	19.910	100	0.645	0.672	0.701
15	15.220	15.520	15.820	105	0.556	0.580	0.606
20	12.210	12.420	12.640	110	0.480	0.502	0.525
25	9.850	10.000	10.150	115	0.417	0.436	0.457
30	7.950	8.088	8.227	120	0.362	0.380	0.399
35	6.447	6.573	6.699	125	0.316	0.332	0.349
40	5.252	5.365	5.479	130	0.270	0.284	0.299
45	4.296	4.397	4.500	135	0.224	0.236	0.249

NOTES:

1. RESISTANCE TOLERANCE @ 25°C : 10KΩ±2%.
3. B-VALUE(25/85°C) : 3982K±1%.
4. OPERATING TEMPERATURE RANGE : -40°C TO +105°C.
5. RING TERMINAL MOUNTING HOLE DIAMETER : 3.7MM.
6. TERMINAL IS NICKEL PLATED COPPER.
7. VOLTAGE BREAKDOWN STRENGTH : MIN 1500VAC FOR 3SEC BETWEEN CONDUCTOR AND EYELET/RING LUG
8. RESPONCE TIME : APPROX 10 SECOND IN LIQUID MEDIUM
- 9.INSULATION RESISTANCE :MINIMUM OF 100MOHM @ 500VOLTS DC IN METALIC BALLS.

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
	▽A = 0	mm	NTS		
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 657688		PRODUCT CUSTOMER DRAWING
	▽E = 0	ANGULAR TOL ± °		DRWN: RAVIKM 2021/03/10	
DIVISIONAL SYMBOLS	4 PLACES ±	CHK'D: RBBHASKAR 2021/03/17		DOCUMENT NUMBER	
	3 PLACES ±	APPR: RBBHASKAR 2021/03/17		2146552633	
	2 PLACES ±	INITIAL REVISION:		DOC TYPE	DOC PART
	1 PLACE ±	DRWN: RAVIKM 2021/03/10		PSD	000
0 PLACES ±	APPR: RBBHASKAR 2021/03/17		SHEET NUMBER	A	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
			A3-SIZE	214655	2146552633
				CUSTOMER	SHEET NUMBER
				OTS	1 OF 1