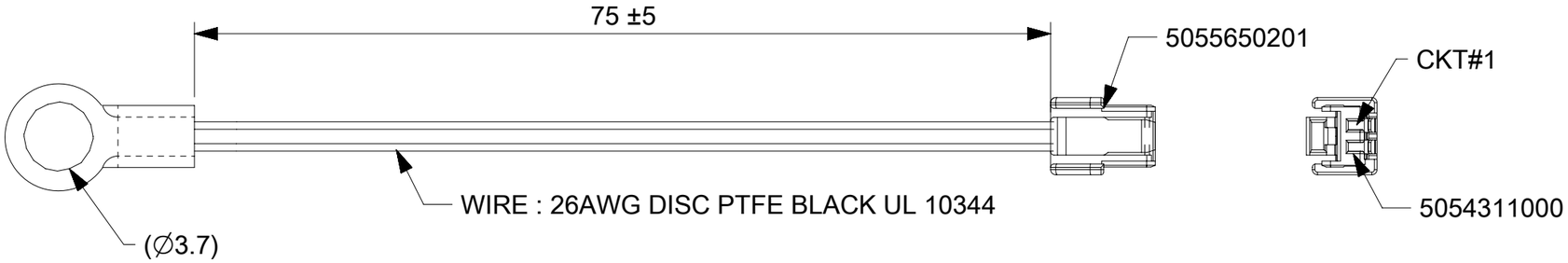
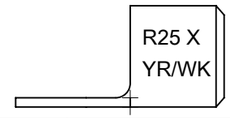


LASER MARKING DETAILS



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	293.5	306.8	320.7	50	3.485	3.556	3.629
-35	214.7	223.8	233.1	55	2.874	2.939	3.005
-30	158.8	165.0	171.3	60	2.382	2.441	2.500
-25	118.6	122.8	127.2	65	1.984	2.036	2.090
-20	89.390	92.320	95.340	70	1.660	1.706	1.754
-15	68.150	70.190	72.290	75	1.394	1.436	1.479
-10	52.350	53.780	55.230	80	1.176	1.213	1.251
-5	40.500	41.500	42.510	85	0.997	1.030	1.065
0	31.550	32.250	32.950	90	0.849	0.879	0.909
5	24.710	25.190	25.680	95	0.725	0.752	0.779
10	19.480	19.810	20.150	100	0.622	0.646	0.670
15	15.450	15.680	15.910	105	0.535	0.557	0.579
20	12.330	12.490	12.640	110	0.462	0.481	0.501
25	9.900	10.000	10.100	115	0.401	0.418	0.436
30	7.954	8.052	8.150	120	0.348	0.364	0.380
35	6.425	6.517	6.611	125	0.303	0.317	0.332
40	5.215	5.301	5.388	130	0.258	0.270	0.284
45	4.253	4.332	4.412	135	0.213	0.223	0.236

NOTES:

1. RESISTANCE TOLERANCE @ 25°C : 10KΩ±1%.
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.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS: FA = 0, FC = 0, FP = 0

DIVISIONAL SYMBOLS

DIMENSION UNITS: mm | SCALE: NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	
1 PLACE	±	
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 657688
DRWN: RAVIKM 2021/03/09
CHK'D: RBBHASKAR 2021/03/17
APPR: RBBHASKAR 2021/03/17

INITIAL REVISION:
DRWN: RAVIKM 2021/03/09
APPR: RBBHASKAR 2021/03/17

molex

NTC RING CABLE - 3982, M3.5 75MM,10K, 1%

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2138651633	PSD	000	A

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 213865 | MATERIAL NUMBER: 2138651633 | CUSTOMER: OTS | SHEET NUMBER: 1 OF 1

DOCUMENT STATUS	P1	RELEASE DATE	2021/03/17 06:57:06

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REVISION: J
DATE: 2020/01/14