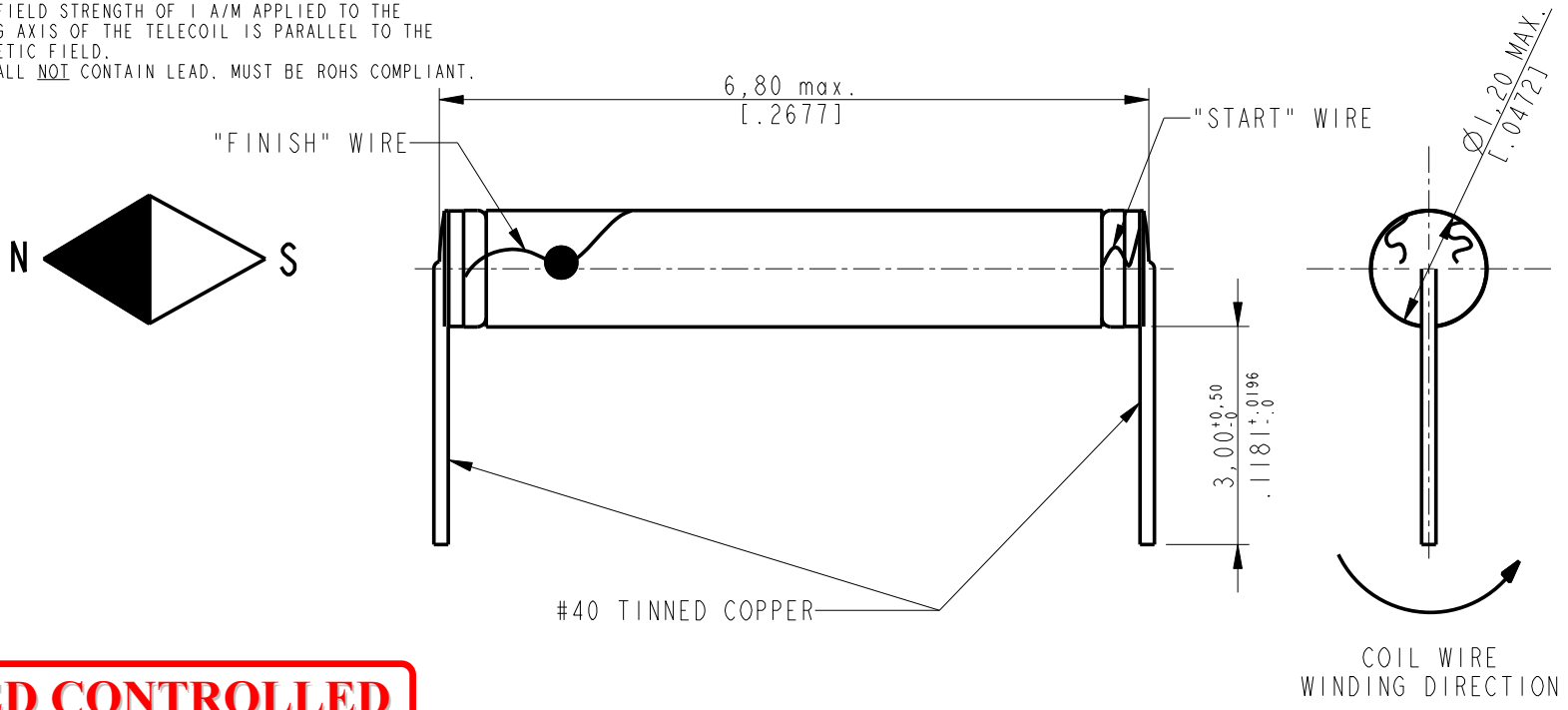
NOTES:
1. COIL WOUND USING COPPER MAGNET WIRE WITH CLASS 155 SINGLE BUILD POLYURETHANE INSULATION.
2. FINISH WIRE ON COIL IS SECURED WITH BLUE DOT OF PAINT.
3. BOBBIN IS FULLY ANNEALED HYMU80 WITH PARYLENE COATING.
4. WITH A POSITIVE DC VOLTAGE APPLIED TO THE "FINISH" WIRE, THE MAGNETIC FIELD WILL ATTRACT A COMPASS NEEDLE AS SHOWN.
5. START AND FINISH WIRE TO LIE TIGHT AGAINST COIL.
6. COIL TO BE DIPPED AT LEAST 2 TIMES WITH 13-863 (CONATHANE CE-1164) TO PROVIDE A UNIFORM LAYER OF PROTECTION ON COIL WIRES.
7. Q VALUE MUST BE OVER 4 AT 50 KHZ FREQUENCY.
8. SENSITIVITY MEASUREMENT IN dB re 1.0 VOLT WITH A MAGNETIC FIELD STRENGTH OF 1 A/M APPLIED TO THE COIL, LONG AXIS OF THE TELECOIL IS PARALLEL TO THE TEST MAGNETIC FIELD.
9. SOLDER SHALL NOT CONTAIN LEAD. MUST BE ROHS COMPLIANT.

ELECTRICAL CHARACTERISTICS

# OF TURNS	WIRE SIZE	INDUCTANCE @ 1KHZ (mH) ±15%	DCR@25°C (ohms) ±10%	SENSITIVITY @ 1KHZ (dB) ±2dB	w/10k Ω Load
5300	56H (B) HIGH RESISTANCE	115	2200	-62.5	-64.5



RED CONTROLLED

REV.	CHANGE #	DATE	NAME
B	C10104995	11/03/06	BCS
A	C10103768	01/10/06	BCS

SCALE: 15:1

FUNDAMENTAL TOLERANCE: ± 0,03 [0.001]

ANGLE TOLERANCE: ± 1°

MISMATCH TOLERANCE: ± 0,03 [0.001]

	DATE	NAME
DESIGNED	01/10/06	BCS
CHECKED	01/10/06	BCS
RELEASED	01/10/06	TDS

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KNOWLES

MATERIAL:

HEAT TREATMENT:

FINISH:

TITLE: **FINISHED 07 STYLE COIL W/2 TERMINAL PADS**

RELEASED LEVEL: Active

REVISION: B

DRAWING NUMBER: 5100-253336

SHEETS: 1 of 1