REVISION TABLE			
REVISION	DESCRIPTION	DATE	APPROVED
B	RELEASE TO PRODUCTION	07AUG17	J UMHOEFER
C	UPDATED WIRE TWIST SPECIFICATION	04SEPT17	J UMHOEFER
C01	ADDED VENDOR INFO TO BOM	26SEPT17	J UMHOEFER
D	CHANGED HARNESS LENGTH FROM 332 TO 460 MM	12OCT17	J UMHOEFER
D01	UPDATE TWIST COUNT	22NOV17	J UMHOEFER
E	ADD BEND TO SENSOR	14FEB18	J UMHOEFER

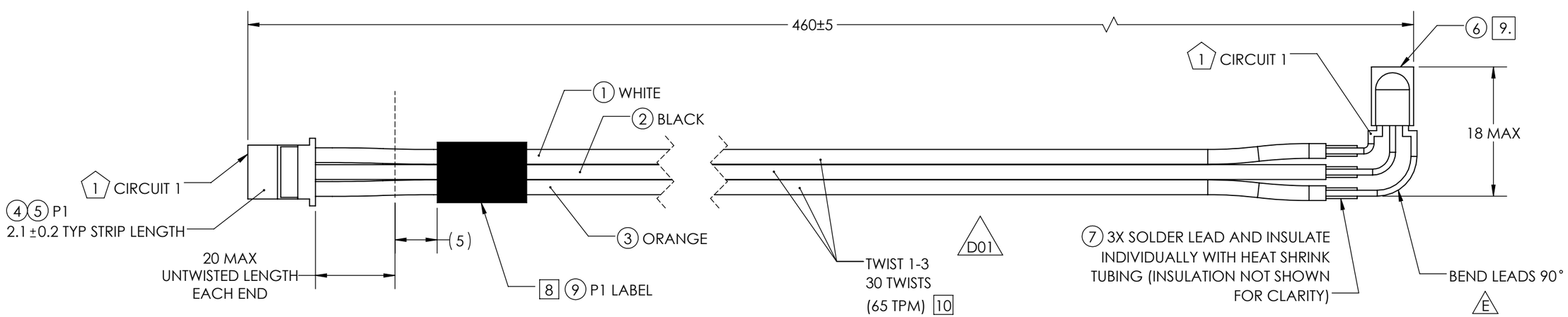
NOTES, UNLESS OTHERWISE SPECIFIED:

1. INTERPRET DRAWING PER ASME Y14.41-2003.
2. WIRE CONDUCTOR MATERIAL: COPPER
3. (1) INDICATES CIRCUIT 1
4. COMPONENTS AND MATERIALS MUST BE RoHS COMPLIANT AND TRACEABILITY OF SUCH MUST BE MADE AVAILABLE UPON REQUEST
5. INDICATED WIRE STRIP LENGTHS ARE FOR REFERENCE ONLY. WIRE STRIP LENGTHS TO BE AS APPROPRIATE FOR INDICATED CONNECTORS
6. WIRE LENGTHS IN BOM TABLE ARE FOR REFERENCE AND DO NOT INCLUDE ALLOWANCE FOR STRIPPED ENDS OR TWIST
7. WIRING AND CONNECTORS MUST BE UL RECOGNIZED UNDER ECBT2. CONNECTORS MUST BE RATED V-2 OR BETTER UNDER UL-94

8. PRINT LABEL AS INDICATED:
   P1 LABEL TEXT:
   WH-00093
   REV. E
   J13
   P1 LABEL COLOR: RED

9. TRIM LEADS ON ITEM (6) OE-00049 TO 5MM LONG BEFORE SOLDERING

10. TOTAL TWISTS TOLERANCE IS +/-10% UNLESS OTHERWISE SPECIFIED. TPM IS TWISTS PER METER. TPM VALUES FOR REFERENCE ONLY.



PIN ARRANGEMENT TABLE			
WIRE #	COLOR	P1 PIN #	SENSOR PIN #
1	WHITE	1	1
2	BLACK	2	2
3	ORANGE	3	3

ITEM NO.	P/N	MFG	MFG P/N	DESCRIPTION	QTY	UOM
1	OE-00252			WIRE, 28AWG STRANDED COPPER, WHITE	AR	mm
2	OE-00247			WIRE, 28AWG STRANDED COPPER, BLACK	AR	mm
3	OE-00249			WIRE, 28AWG STRANDED COPPER, ORANGE	AR	mm
4	OE-00287	JST	PAP-03V-S	CONNECTOR HOUSING, JST-PA 3POS	1	EACH
5	OE-00295	JST	SPHD-002T-P0.5	CONN TERM PHD CRIMP 24-28AWG TIN (JST-PA)	3	EACH
6	OE-00049	VISHAY	TSOP38238	IR SENSOR	1	EACH
7	CN-00030			HEAT SHRINK TUBING, 0.8MM RECOVERED ID	45	mm
8	--			<<REMOVED>>	--	--
9	CN-00026			LABEL, HEAT SHRINK, RED	1	EACH

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS
INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M
TRAILING ZEROS DENOTE TOLERANCE
DO NOT SCALE DRAWING
THIRD ANGLE PROJECTION

TOLERANCES
X = ± 0.5
X.X = ± 0.25
X.XX = ± 0.13
ANGLES = ± 1°
UNLESS OTHERWISE SPECIFIED

	APPROVED	DATE
DRAWN BY	E SATHER	11JUL17
DESIGNED BY	E SATHER	12OCT17

MAYFIELD ROBOTICS
400 CONVENTION WAY
REDWOOD CITY, CA 94063

CABLE, IR RECEIVER, FRONT

DWG NUMBER **WH-00093** REV **E**
SIZE **B** SCALE 2:1 SHEET 1 of 1