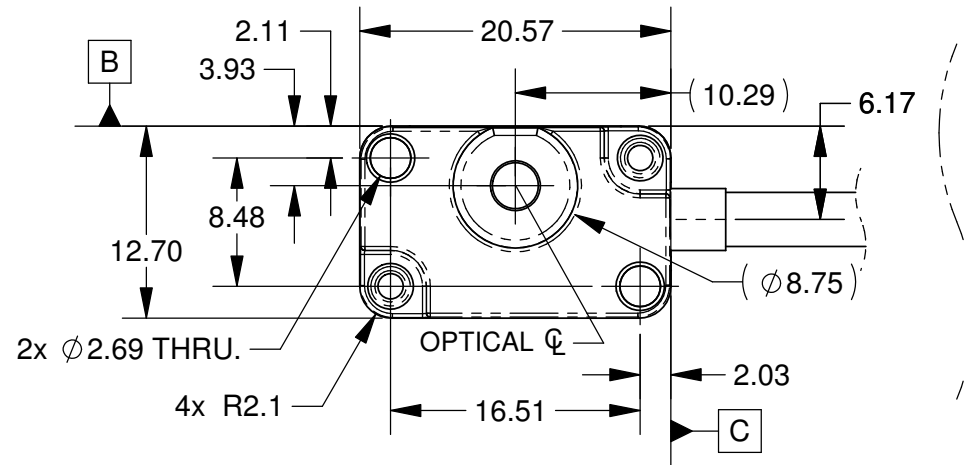
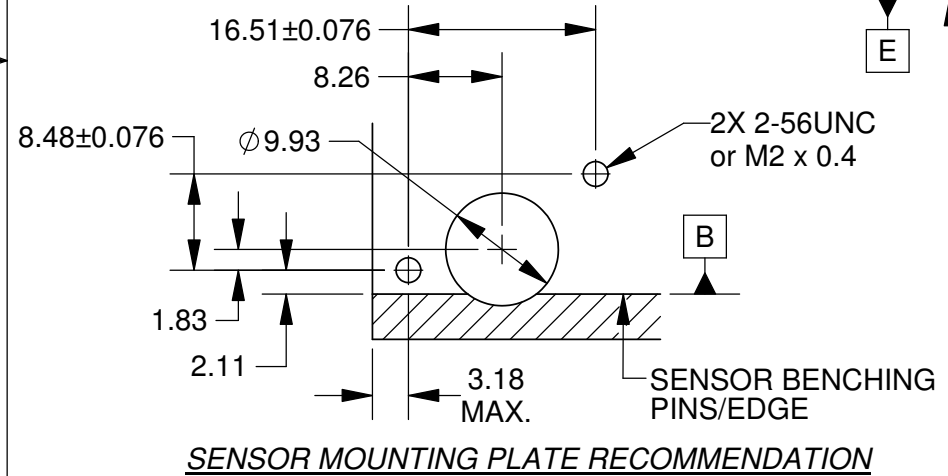
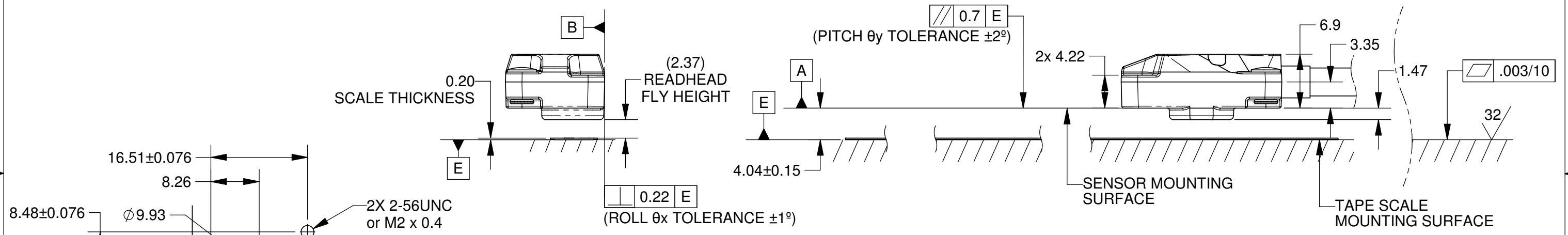
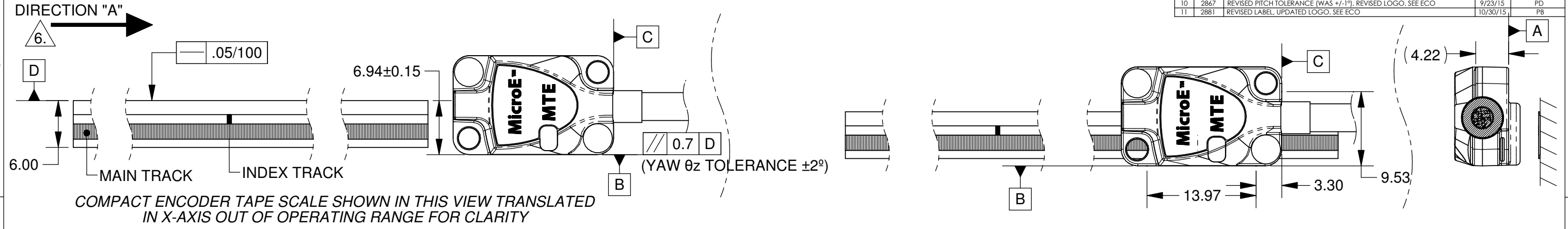


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REVISIONS				
LTR	ECO	DESCRIPTION	DATE	APPROVED
7	2627	ADDED TABLE (ALIGNMENT TOL.), REVISED DIMS/VIEWS. SEE ECO	10/21/13	VB
8	2643	ADDED GEO. TOL., REVISED VIEWS/NOTES. SEE ECO	11/26/13	VB
9	2769	REVISED CABLE LENGTH TOLERANCE PER CABLE DRAWINGS. SEE ECO	1/12/15	PD
10	2867	REVISED PITCH TOLERANCE (WAS +/-1°), REVISED LOGO. SEE ECO	9/23/15	PD
11	2881	REVISED LABEL, UPDATED LOGO. SEE ECO	10/30/15	FB

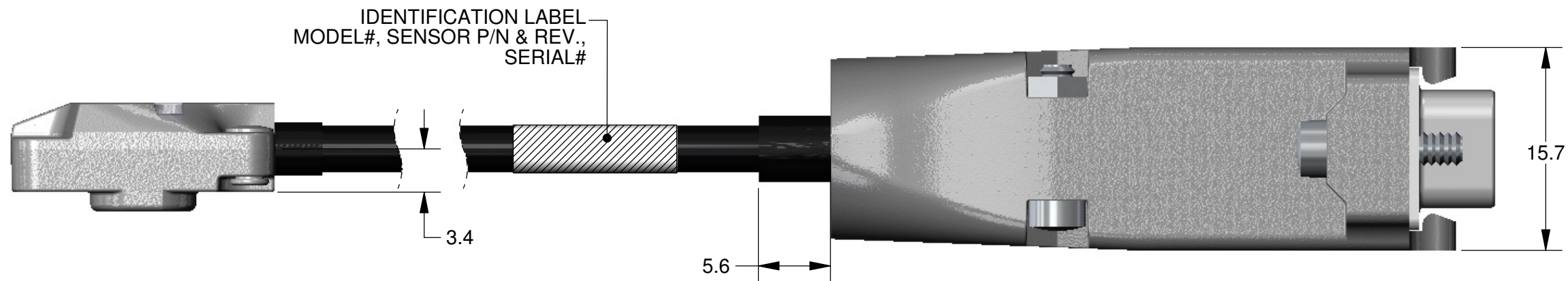
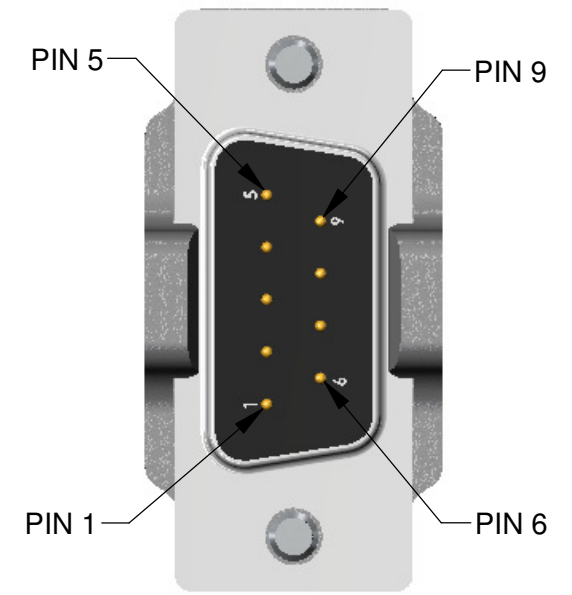
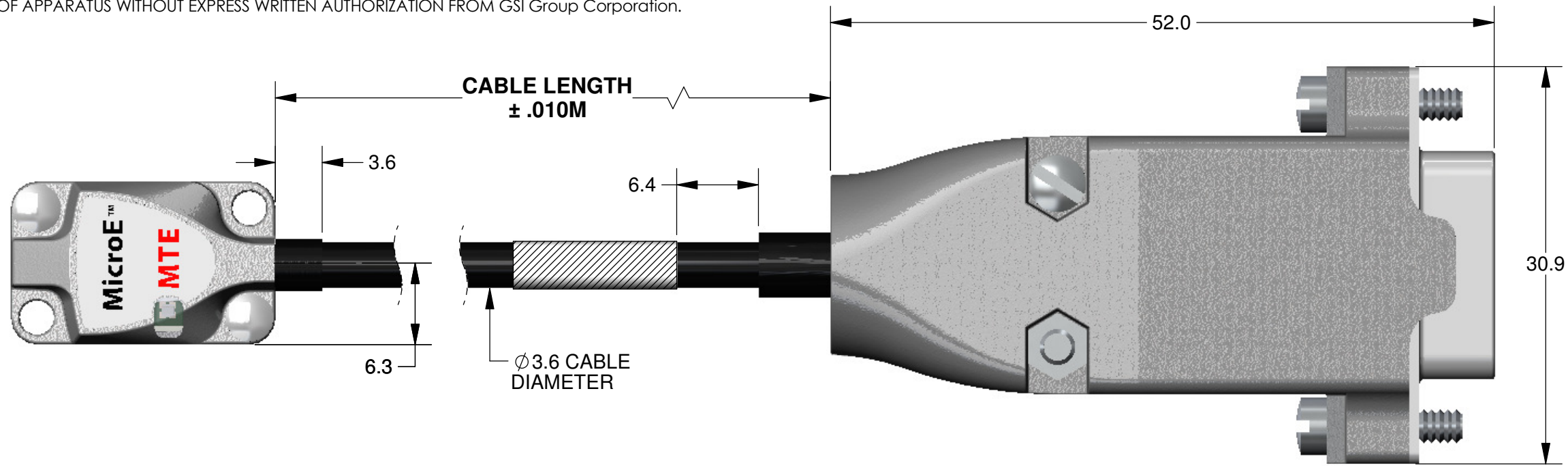


- NOTE:
- RECOMMENDED MOUNTING HARDWARE:
2-56 OR M2 SCREWS w/ 4 FLAT WASHERS (2 ON EACH SCREW) (OD OF WASHER NOT TO EXCEED 3.81).
MAX. TORQUE: 3.3 in. lbs
 - RECOMMENDED SENSOR MOUNTING PLATE THICKNESS:
MINIMUM- 4 SCREW THREADS
MAXIMUM- ALLOW CLEARANCE TO SCALE AND SCALE MOUNTING HARDWARE (BENCHING SURFACES, CLAMPS, HUBS, ETC.)
BENCHING EDGES CAN BE BENCHING PINS, IF BENCHING EDGES ARE USED; ALLOW FOR CLEARANCES FOR ENCODER CABLE.
 - IF BENCHING PINS/EDGE ARE TO BE USED, PINS/EDGE MUST BE PLACED ALONG DATUM EDGES OF SENSOR FOR OPTIMAL ALIGNMENT.
(REFERENCE DATUMS B1,B2 AND C1 FOR SENSOR BENCHING PINS/EDGES)
 - HEIGHT OF SENSOR BENCHING PINS/EDGE MUST BE A MINIMUM OF 4.32 IN HEIGHT FROM DATUM A.
 - SEE SHEET 3 FOR DIMENSIONS ON COMPACT ENCODER TAPE (CET) SCALES.
 - WHEN CET SCALE MOVES IN DIRECTION "A" WITH RESPECT TO A STATIONARY READHEAD, OUTPUT SIGNAL B+ (PIN 3) LEADS OUTPUT SIGNAL A+ (PIN 4).

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS DIM. APPLY AFTER PROCESSING INTERPRET ALL GEOMETRIC TOLS. PER ANSI Y14.5M-1994	APPROVALS	DATE	MicroE (GSI Group Corporation) 125 Middlesex Tpk. Bedford, MA 01730
	DRAWN: S.BUTURLIA CHECKED: ENGRG.: MFG ENG: QA:	1/29/13	
TOLERANCES ARE: DECIMALS: .X ± .25 .XX ± .13	ANGULAR: ±30 MIN.	SIZE: B DWG. NO.: ID-00396 SCALE:	REV.: 11 SHEET 1 OF 3

SUBJECT TO CHANGE WITHOUT NOTIFICATION

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MTE 9P D-Sub Pinouts		
Pin#	Function	Wire Color
1	Alarm	Yellow
2	Index Window +	Violet
3	B+	Grey
4	A+	Brown
5	5V	Red
6	Index Window -	Blue
7	B-	White
8	A-	Orange
9	GND/Inner Shield	Black

NOTE: GND AND INNER SHIELD ARE INTERNALLY CONNECTED.

Cable Lengths
1 Meter
2 Meter
5 Meter
Custom

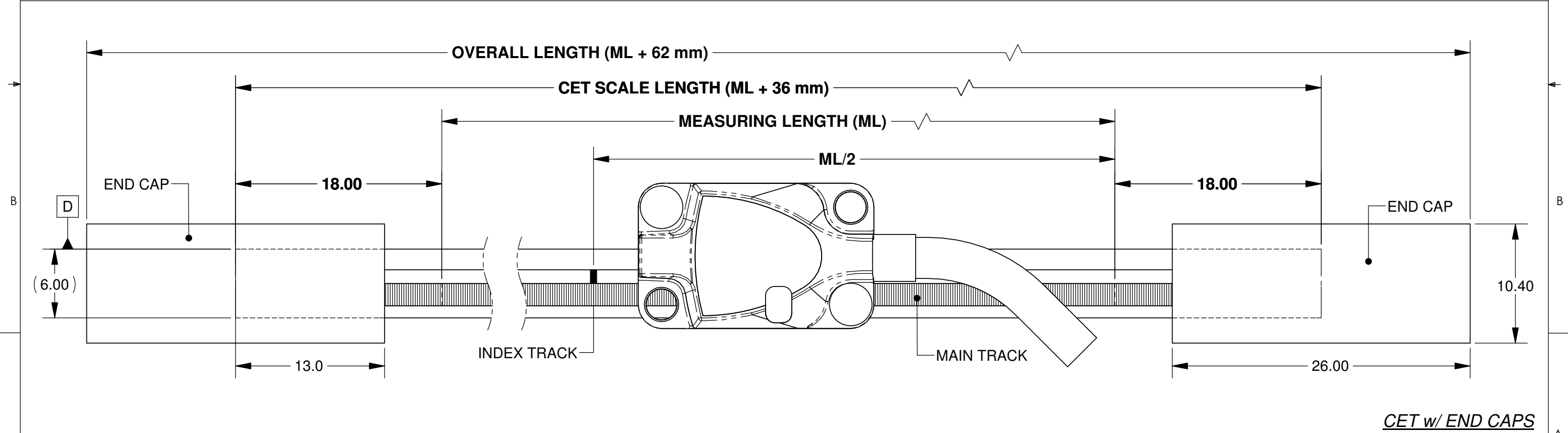
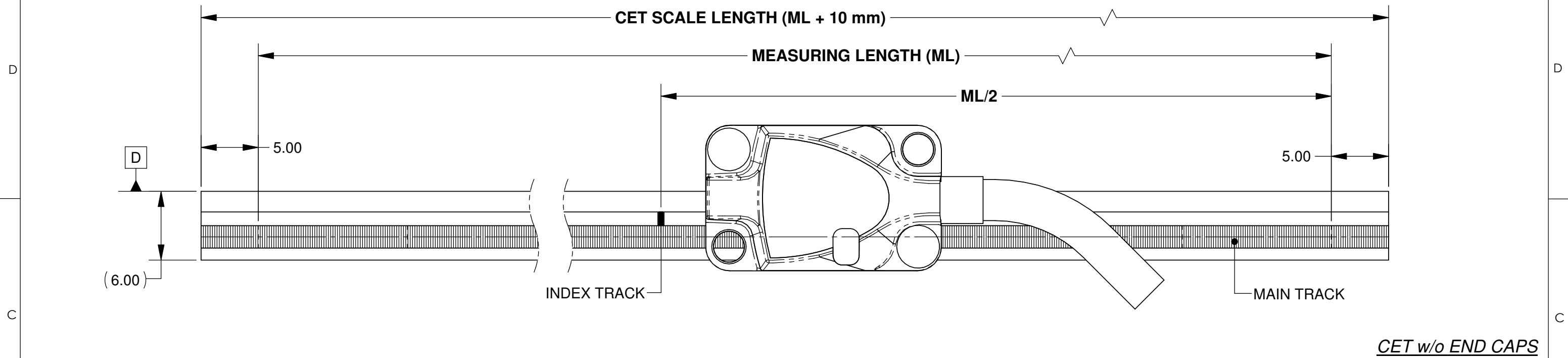
MicroE
 (GSI Group Corporation)
 125 Middlesex Tpk.
 Bedford, MA 01730

DESCRIPTION:
 INTERFACE, ENCODER, 20um,
 COMPACT ENCODER TAPE SCALES,
 MICRO TAPE ENCODER

SIZE	DWG. NO.	REV.
B	ID-00396	11

SCALE: CAD FILE: 3rd ANGLE PROJECTION SHEET 2 OF 3

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- NOTES:
1. COMPACT ENCODER TAPE (CET) SCALES CAN BE SUPPLIED IN INDIVIDUAL PIECES OR IN CONTINUOUS FORM.
 2. END CAPS ARE OPTIONAL.
 3. FOR ALTERNATE INDEX LOCATIONS, MULTIPLE INDEXES OR ADDITIONAL FEATURES; CONTACT MICROE.

MicroE
(GSI Group Corporation)
125 Middlesex Tpk.
Bedford, MA 01730

DESCRIPTION:
INTERFACE, ENCODER, 20um,
COMPACT ENCODER TAPE SCALES,
MICRO TAPE ENCODER

SIZE	DWG. NO.	REV.
B	ID-00396	11

SCALE: 3RD ANGLE PROJECTION SHEET 3 OF 3