

87654321

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	RELEASE/CHANGE PER EC036363	SEE AGILE	SEE AGILE

NOTES: UNLESS OTHERWISE SPECIFIED

1. APPLICABLE STANDARDS/SPECIFICATIONS:
ASME Y14.3-2012, ORTHOGRAPHIC AND PICTORAL VIEWS.
ASME Y14.5-2009, DIMENSIONING AND TOLERANCING.
ASME Y14.38-2013, ABBREVIATIONS AND ACRONYMS.
ASME Y14.8-2009, CASTINGS, FORGINGS, AND MOLDED PARTS.

2. ALL DIMENSIONS ARE IN .

3. OVAL INDICATES KEY INSPECTION DIMENSION.

4. REFERENCE SEPARATE BILL OF MATERIALS (BOM) UNDER SAME PART NUMBER AND REVISION LEVEL FOR COMPONENT LISTING.

5. REFER TO 3D MODEL FILE FOR CLARITY OF DIMENSIONS, GEOMETRY, SURFACES, AND FEATURES NOT SHOWN, OR DIMENSIONED ON 2D DRAWING.

6. 2D DRAWING DIMENSIONS ARE FOR TOOLING QUALIFICATION AND INSPECTION.

7. PART/COMPONENT TO BE RoHS COMPLIANT.

8. THE PART/ASSEMBLY MUST NOT CONTAIN NATURAL RUBBER OR ITS DERIVATIVES. THE PART/ASSEMBLY IS NOT TO BE EXPOSED TO, HANDLED BY, OR PACKAGED IN NATURAL RUBBER OR ITS DERIVATIVES.

9. PART/ASSEMBLY TO BE DEHP AND BPA FREE. PROVIDE MATERIAL CERTIFICATE OF COMPLIANCE WITH EVERY SHIPMENT.

10. PREMOLD:
OUTER JACKET OF CABLE TO BE FULLY ENCAPSULATED BY PREMOLD.
PREMOLD MATERIAL: SHANGHAI YIHE PE101 (POLYETHYLENE, PE) OR POLIMAXX 1100NK
COLOR: WHITE
NO REGRIND MATERIAL ALLOWED.

11. OVERMOLD:
OVERMOLD MATERIAL: JIEH-MING PLASTICS NONP 700-60 PHR (POLYVINYL CHLORIDE, PVC).
COLOR: WHITE C/A 000 PER ITEM (12)
DUROMETER: 75 SHORE A.
NO REGRIND MATERIAL ALLOWED.

12. OVERMOLD FINISH SPECIFICATIONS:

- PART TO BE CLEAN AND FREE OF FOREIGN MATTER.
- ALL SURFACES TEXTURE MOLDTECH MT11004, UNLESS OTHERWISE NOTED - SEE NOTE 14.
- COSMETIC SURFACES TO MEET COSMETIC CRITERIA SPEC. II-019105 (7), CATEGORY II, CLASS A.

13. TOOL FINISH TO BE SPI B-1 ALL AROUND ON SURFACES INDICATED AND THEIR ADJACENT FILLETED SURFACES.

14. MOLD SPECIFICATIONS:

- TOOLING TO BE APPROVED BY COVIDIEN PRIOR TO CONSTRUCTION OF TOOL.
- ALL FILLET AND RADII .010 MAX.
- FLASH NOT TO EXCEED .005.
- PARTING LINE MISMATCH NOT TO EXCEED .005.
- GATE LOCATION TO BE ON STRAIN RELIEF.
- GATES TO BE TRIMMED FLUSH TO .010 UNDERFLUSH.

15. MOLD IN VENDOR IDENTIFICATION (REPLACE 'X' WITH VENDOR IDENTIFICATION) AND CAVITY IDENTIFICATION NUMBER (REPLACE '##' WITH CAVITY IDENTIFICATION NUMBER) BELOW SURFACE APPROXIMATELY WHERE INDICATED. MAXIMUM FONT HEIGHT TO BE .063.

16. WORKMANSHIP:
ASSEMBLY SHALL MEET THE WORKMANSHIP REQUIREMENTS OF ANSI/IPC-A- 610 CLASS 2.

17. HANDLING:
HANDLE RAW PCBA AS STATIC SENSITIVE DEVICE.

18. CERTIFICATE OF CONFORMANCE IS REQUIRED AND MUST BE INSPECTED FOR EACH LOT. SHIPPED COC SHOULD INCLUDE MFG LOT NUMBER DETAILS AND COVIDIEN PN/REV.

19. WORKMANSHIP TARGET FOR TINNING OF WIRES IS IPC/WHMA-A-620 CLASS 3. RAW MATERIAL CABLE MANUFACTURED TO PROVIDE CERTIFICATE OF CABLE SOLDERABILITY FOR ALL WIRES TO BE TINNED AT CABLE ASSEMBLY LEVEL IPC J-STD-002C SECTION 4.2.6 FOR LEAD FREE SOLDER APPLICATIONS.

20. CABLE (3) END TO BE STRIPPED AND TINNED PER DETAIL 'A'. THERE MUST BE NO CONTINUITY BETWEEN OTHER SHIELDS AND INNER CONDUCTORS. TIN FOUR EACH INSULATED CONDUCTORS AND THE OUTER SHIELD DRAIN PER DETAIL 'B' USING FLUX (6) AND SOLDER (10) AS REQUIRED.

21. STRANDS THAT DO NOT REACH TO THE END OF THE TWISTED SHIELD DRAIN MUST BE UNWOUND AND CUT FLUSH WITH THE EDGE OF OUTER JACKET ± .050.

22. SHIELD DRAINS, RESERVE AND TWIST AT LEAST 50% OF STRANDS FROM OUTER SHIELD.

23. USE HEAT SHRINK ON SHIELDS TO PREVENT CONTINUITY BETWEEN SHIELDS AND CONDUCTORS. ANY TUBING MAY BE USED AS LONG AS ISOLATION OF WIRES IS ACCOMPLISHED.

24. ATTACH CARRIER (2) TO PCBA (1). INSTALL WIRES INTO THE CARRIER TO CORRESPOND WITH THE PAD PER THE TERMINATION DETAIL TABLE, AND SOLDER CABLE (3) TO CONTACTS OF PCBA PER DETAIL 'C' AND TERMINATION DETAIL TABLE. SHIELD THE WHITE AND GREEN PAIR BY THE INNER SHIELD AS MUCH AS PRACTICAL. SEPARATE RED AND BLACK PAIR FROM UNSHIELDED PORTION OF WHITE AND GREEN PAIR AS MUCH AS PRACTICAL AFTER EXITING FROM JACKET IN ORDER TO REDUCE SHUNT CURRENT.

25. POST SOLDERING APPLY EPOXY CHENGGE DV004 OR EQUIVALENT OVER PADS AND WIRES AND UV CURE PER MANUFACTURE'S RECOMMENDATIONS.

26. CERTIFICATION OF SHIELD CONTINUITY CHECKS SHALL BE SUPPLIED WITH EACH SHIPMENT; OUTER SHIELD CONTINUITY WITH PIN 3 OF CONNECTOR; INNER SHIELD CONTINUITY WITH PIN 13 OF CONNECTOR. FOR REFERENCE THE PCBA MATES WITH SAMTEC HSEC8 SERIES.

27. CERTIFICATIONS FOR SHORTS, OPEN, HIPOT PER COVIDIEN SPECIFICATIONS (3) AND (4) AND EPROM TEST (TESTED AS A DIODE) SHALL BE SUPPLIED WITH EACH SHIPMENT; USE THE FOLLOWING SETTINGS FOR THE EPROM TEST (TESTED AS A DIODE) IF USING A CIRRIIS TOUCH 1 CABLE TESTER:

- TEST = DIODE
- PIN 7 OF CONNECTOR = ANODE
- PIN 1 OF CONNECTOR = CATHODE
- COMPONENT RESISTANCE >1.0kΩ

28. COVIDIEN INSPECTION (VISUAL/COSMETIC/FUNCTIONAL/MECHANICAL) SHALL BE PERFORMED PER (8) AND (9).

29. A PROTECTIVE SLEEVE IS TO BE PLACED OVER THE STRIPPED ENDS OF EACH GROUP OF TEN CABLES. CABLES WILL BE GROUPED INTO BUNDLES OF ONE HUNDRED CABLES AND PLACED INTO A PLASTIC BAG LABELED WITH COVIEN P/N PER II (8). ONE ADDITIONAL CLEAR PLASTIC BAG IS TO BE PLACED OVER THE BAG OF 100 CABLES (DOUBLE BAGGED). LABEL WITH PART NUMBER AND QUANTITY MUST BE VISIBLE THRU THE OUTER BAG. SEAL THE OUTER BAG.

1

3

1

3

1

3

1

3

GENERAL DIMENSIONAL TOLERANCES

DEC.	DEC.	DEC.	DEC.
X +/-	.x +/-	.xx +/-	.xxx +/-
1	.1	.01	.005
DEC.	HOLES	FRAC.	ANG.
.xxxx +/-	+/-	+/-	+/-
.0005	N/A	1/64	1°

SCALE: NTS

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION

PROPRIETARY & CONFIDENTIAL. THIS DOCUMENT MAY NOT BE COPIED, DISCLOSED, OR USED IN WHOLE OR IN PART WITHOUT THE CONSENT OF COVIDIEN.

TITLE:

ASSY,
CABLE CONNECTOR,
9.75" DIGICAL,
MAXNW

COVIDIEN

6135 Gunbarrel Avenue
Boulder, CO 80301

© 2016 COVIDIEN ALL RIGHTS RESERVED.

SIZE

FILENAME:

D

10140484A00.SLDDRW

DRAWING NO.:

10140484

REV

A

APPROVED:

SEE AGILE

DATE:

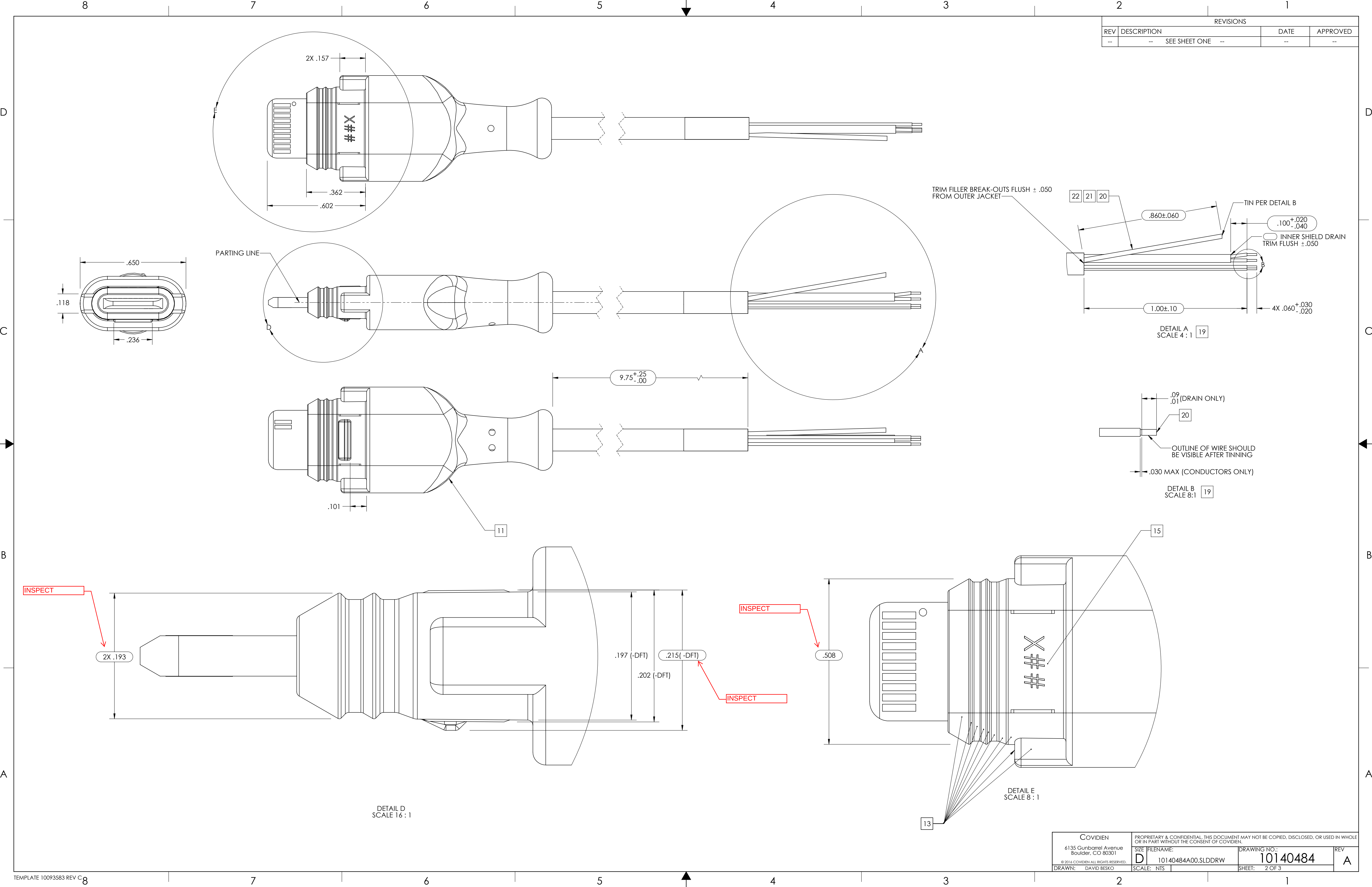
SEE AGILE

SHEET:

1 OF 3

TEMPLATE 10093583 REV C

87654321



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
--	-- SEE SHEET ONE --	--	--

DETAIL A
SCALE 4 : 1

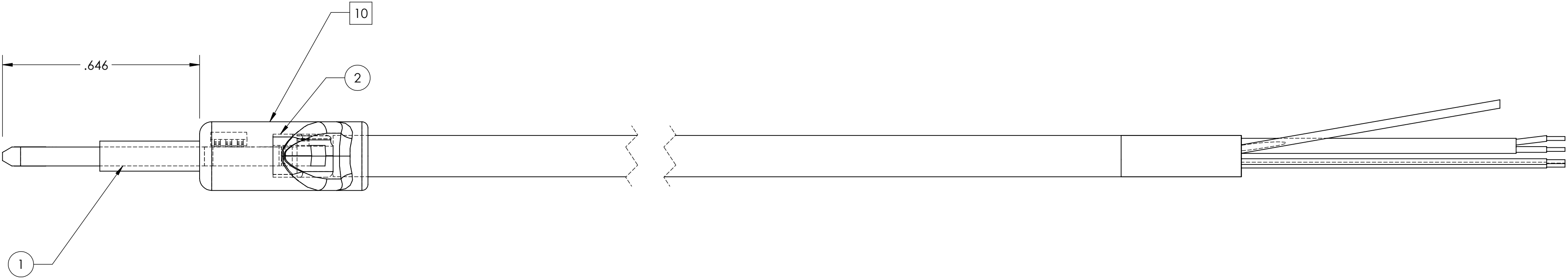
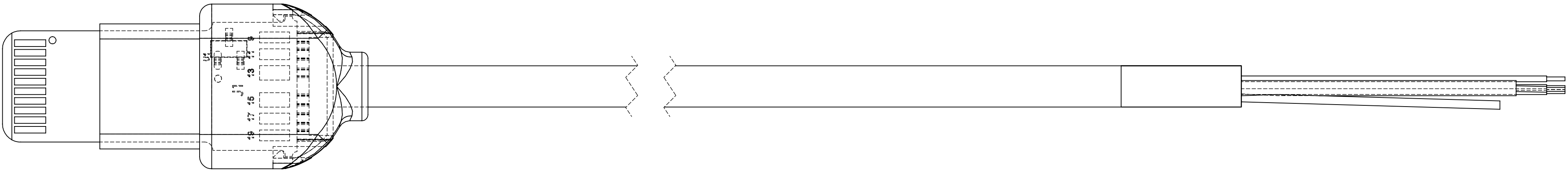
DETAIL B
SCALE 8 : 1

DETAIL E
SCALE 8 : 1

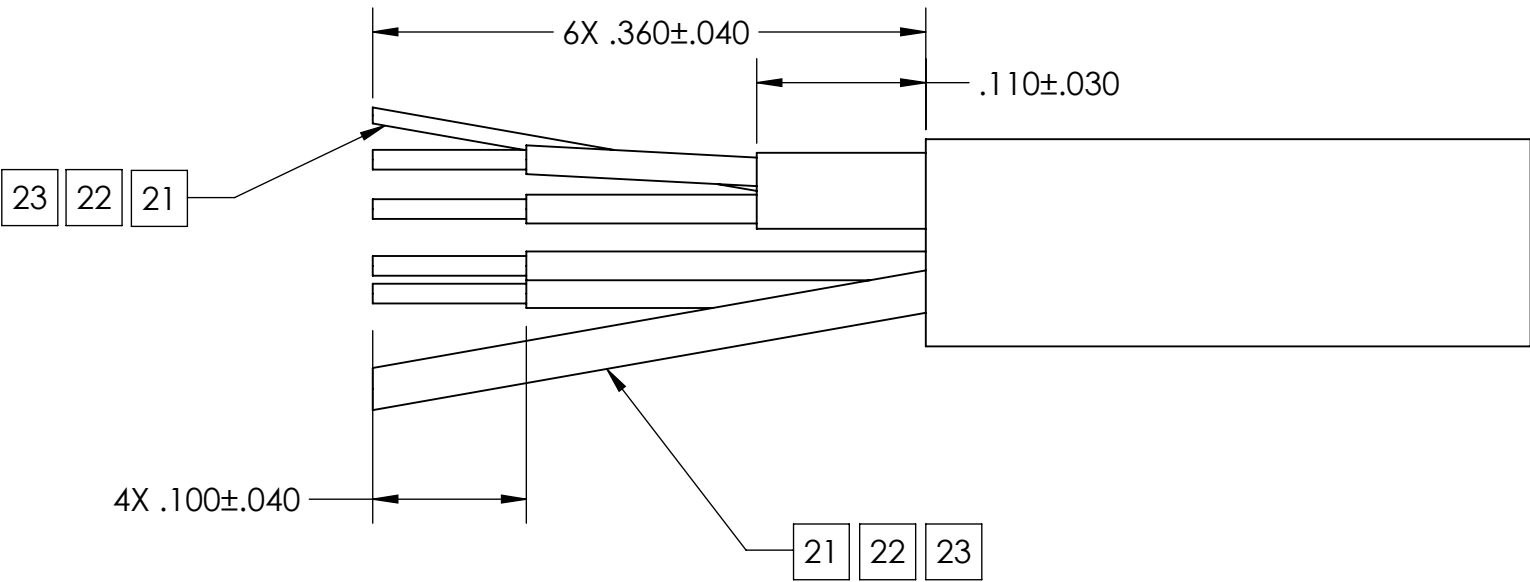
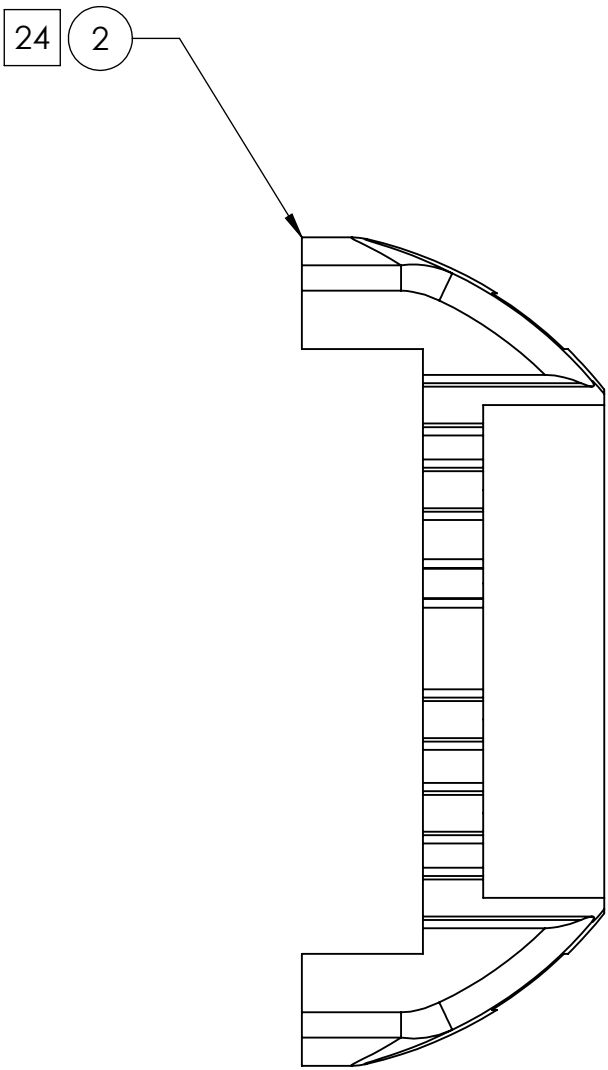
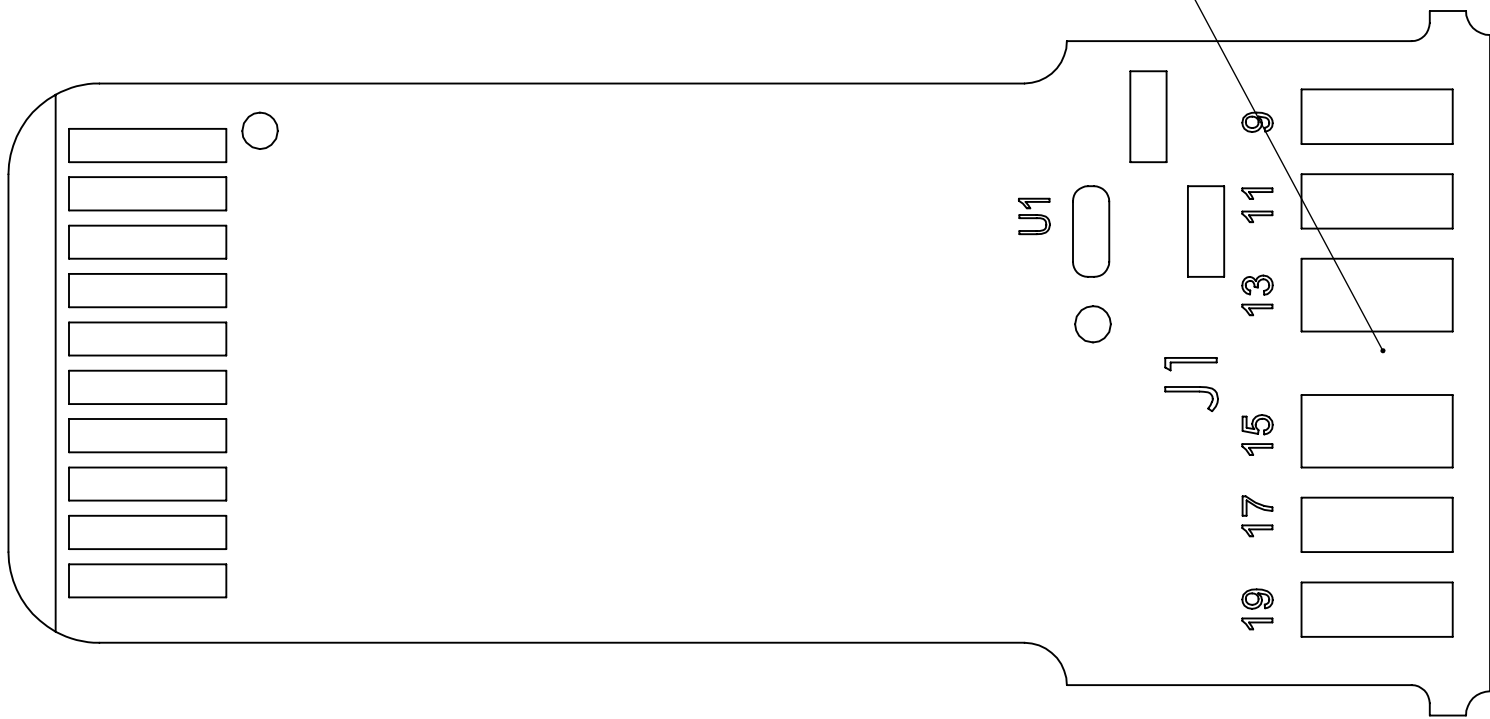
DETAIL D
SCALE 16 : 1

COVIDIEN 6135 Gunbarrel Avenue Boulder, CO 80301 © 2014 COVIDIEN ALL RIGHTS RESERVED.		PROPRIETARY & CONFIDENTIAL: THIS DOCUMENT MAY NOT BE COPIED, DISCLOSED, OR USED IN WHOLE OR IN PART WITHOUT THE CONSENT OF COVIDIEN.	
SIZE	FILENAME:	DRAWING NO.:	REV
D	10140484A00.SLDDRW	10140484	A
DRAWN: DAVID BESKO		SCALE: NTS	SHEET: 2 OF 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
--	-- SEE SHEET ONE --	--	--



BOARD EDGE PIN NUMBERS	
BOTTOM	TOP
NOT POPULATED	1
NOT POPULATED	3
NOT POPULATED	5
NOT POPULATED	7
NOT POPULATED	9
NOT POPULATED	11
NOT POPULATED	13
16	15
18	17
NOT POPULATED	19



DETAIL C
SCALE 8:1

TERMINATION DETAIL TABLE	
9	GREEN
11	WHITE
13	INNER SHIELD
15	OUTER SHIELD
17	BLACK
19	RED

COVIDIEN 6135 Gunbarrel Avenue Boulder, CO 80301 © 2014 COVIDIEN ALL RIGHTS RESERVED.		PROPRIETARY & CONFIDENTIAL: THIS DOCUMENT MAY NOT BE COPIED, DISCLOSED, OR USED IN WHOLE OR IN PART WITHOUT THE CONSENT OF COVIDIEN.	
DRAWN: DAVID BESKO	SCALE: NTS	FILENAME: 10140484A00.SLDDRW DRAWING NO.: 10140484	REV A