

\*\*\*\* EXPORT CONTROLLED DOCUMENT - EAR \*\*\*\*  
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REVISIONS				DATE	APPROVED
EON	SHT	ZONE	REV	DESCRIPTION OF CHANGE	
72820			NC	INITIAL RELEASE	10/11/18 R. Lay

**GENERAL NOTES:**

- ENSURE ALL WIRING PRACTICES ARE IN ACCORDANCE WITH THE FOLLOWING ORDER OF PRECEDENCE:  
 A) THIS DRAWING  
 B) IPC-WHMA-A-620B
- WIRE NUMBER MARKING:  
  
 WHEN POSSIBLE, WIRES AND CABLES ARE TO BE INDELIBLY LASER MARKED WITH INFORMATION FROM WIRE LIST. MARKING INTERVAL IS TO BE AT 12 INCHES MAXIMUM.  
  
 WHEN LASER MARKING IS NOT POSSIBLE, WIRES AND CABLES ARE TO HAVE INDELIBLY MARKED LABELS WITH INFORMATION FROM WIRE LIST. MARKING INTERVAL IS THEN TO BE APPROXIMATELY EVERY 68 INCHES WITH A MAXIMUM 72 INCH INTERVAL.


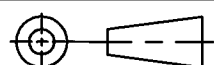
**ASSEMBLY NOTES:**

- HARNESS LENGTH AND BREAKOUT LENGTH TOLERANCE (NO BENDS):  
 LENGTH | 4-24 | 25-120 | 121-600 | 601-1200 | 1201 AND UP |  
 TOL | +0.5/-0.5 | +3.0/-3.0 | +6.0/-6.0 | +12.0/-12.0 | +24.0/-24.0 |
- PROTECT CONNECTORS FROM CONTAMINATION AND DAMAGE DURING SHIPPING AND HANDLING (DUST CAPS PREFERABLE).
- BAG & IDENTIFY KITS AS FOLLOWS:  
  
 AVANCE P2 HARNESS  
 P/N 600-104968-XXX/XXX/XXX/XXX/XXX/XXX  
 REV: (CURRENT DRAWING REVISION)

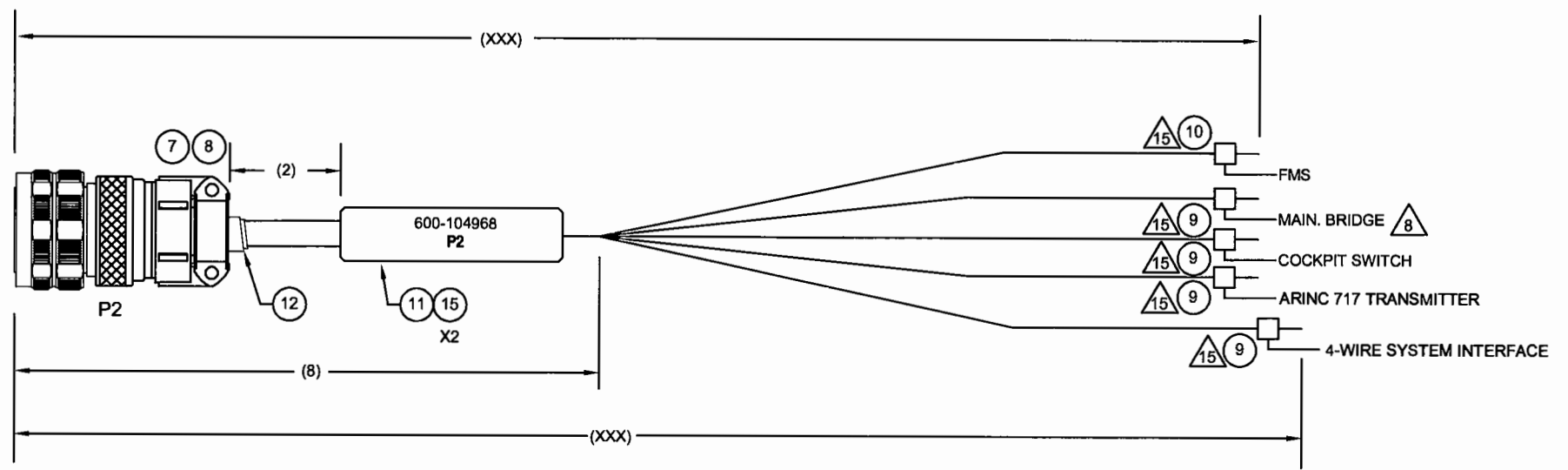
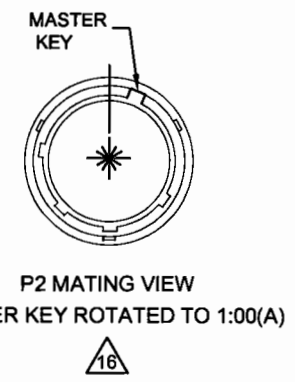
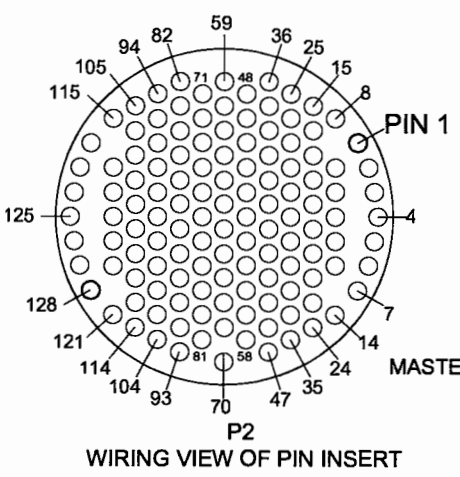
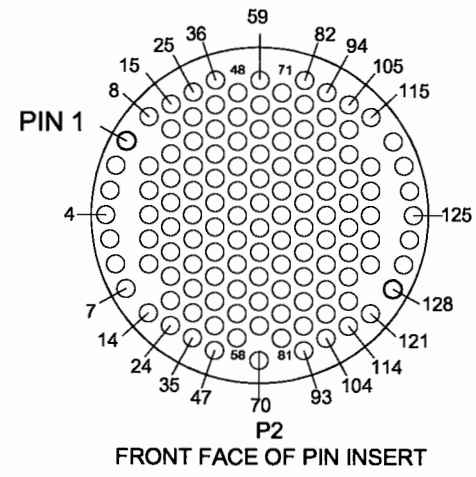
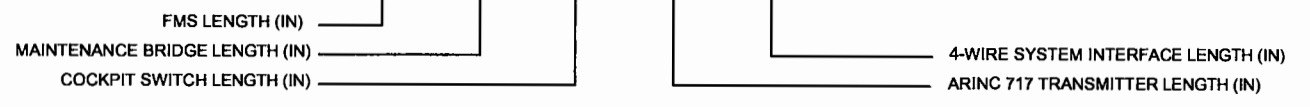
- △6 FILL UNUSED POSITION WITH CONTACTS.
- 7. SPOT TIE HARNESS BREAKOUTS OF 12" INTERVALS.
- △8 MAX BREAKOUT LENGTH (MEASURED FROM CONNECTOR END) IS 204"
- △9 WIRE QUANTITY = FMS + 4 WIRE SYSTEM INTERFACE X 2
- △10 WIRE QUANTITY = FMS
- △11 WIRE QUANTITY = MAINTENANCE BRIDGE X 2
- △12 WIRE QUANTITY = MAINTENANCE BRIDGE
- △13 WIRE QUANTITY = FMS + ARINC 717 TRANSMITTER
- △14 WIRE QUANTITY = COCKPIT SWITCH X 5
- △15 PRINT FIN INFORMATION ON LABELS (ITEM 9 AND 10) SHRINK HALF OF THE LABEL AND INSTALL APPROXIMATELY 6" FROM THE END OF WIRE.
- △16 ROTATE MASTER KEY TO POSITION SHOWN.

QTY REQ'D	COMPONENTS PART NO OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	ALTERNATE PART NUMBER	ITEM NO.
2	T18R-9	TIE WRAP	-	15
A/R	203-8	TAPE, LACING	-	14
1	M83519/2-8	SOLDER SLEEVE, PIGTAIL	-	13
1	3M70	TAPE, FUSION	-	12
1	CM-SCE-1/2-4H-9	1/2" LABEL	-	11
1	TMS-SCE-3/4-2.0-9	HEAT SHRINK LABEL	-	10
4	TMS-SCE-3/8-2.0-9	HEAT SHRINK LABEL	-	9
1	ISOFS150M2410-5S-SR	BACKSHELL	400FS001NF2410F2	8
1	MS27467T25F35PA	CONNECTOR	-	7
XXX	M22759/16-24-9	WIRE	-	6
XXX	422402	CABLE	-	5
XXX	912204	CABLE	-	4
XXX	NF24Q100	CABLE	-	3
XXX	M27500-24TG3T14	CABLE	-	2
XXX	M27500-24TG2T14	CABLE	-	1

- △14
- △13
- △12
- △11
- △10
- △9

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	THIRD ANGLE PROJECTION 	TITLE: <b>AVANCE P2 HARNESS</b>	SIZE: D 66197 CASE CODE: H LEVEL: H DWG NO: 600-104968 SCALE: NONE EFFECTIVITY:

**EXAMPLE KIT PART NUMBER**  
**AVANCE P2 HARNESS: 600-104968-180/144/212/048/284**



<b>△ 6</b>	<b>UNUSED POSITIONS</b>
1, 4-8, 11-14, 16-20, 22, 24, 27-29, 31	
34-36, 38-40, 45-52, 54-55, 57-58, 60-68	
71, 73-86, 94-103, 105-121, 126-128	

**HARNESS ASSEMBLY**

\*\*\*\* EAR CONTROLLED \*\*\*\*

H

G

F

E

D

C

B

A

H

G

F

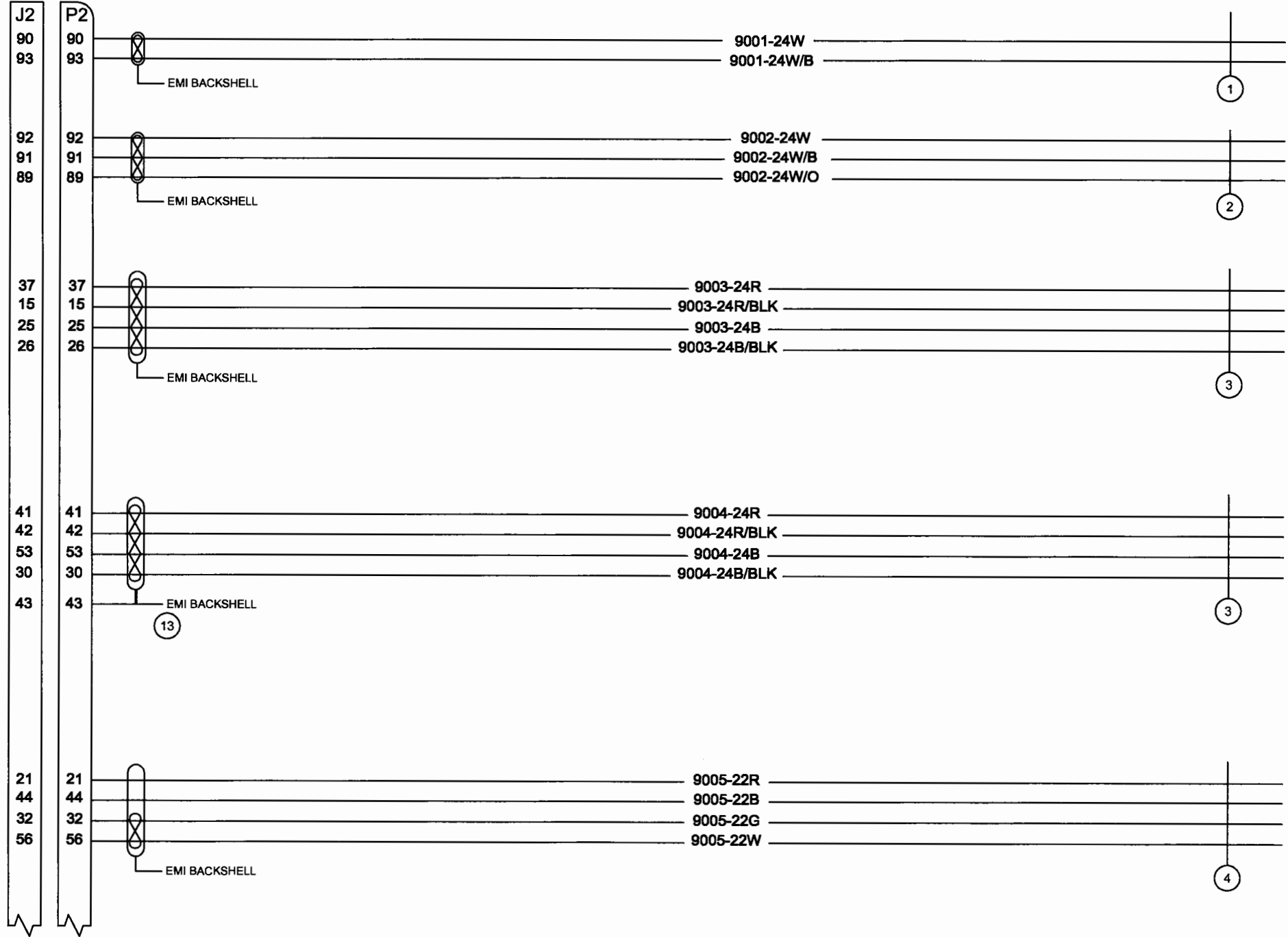
E

D

C

B

A



CABIN MANAGEMENT SYSTEM	
RS232_1_CTS	*ONLY USED WITH SPECIFIC FMS SYSTEMS THAT SUPPORT THE RS232 FUNCTION
RS232_1_RTS	
RS232_1_TXD	
RS232_1_RXD	
RS232_1_GND	

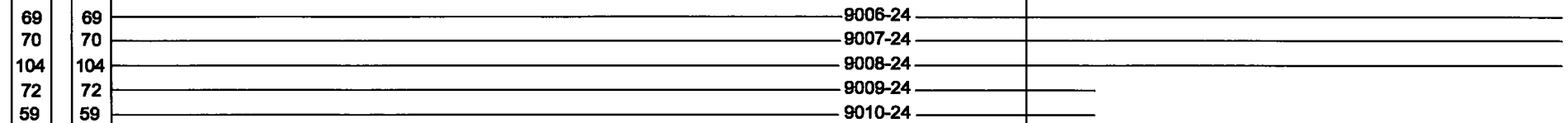
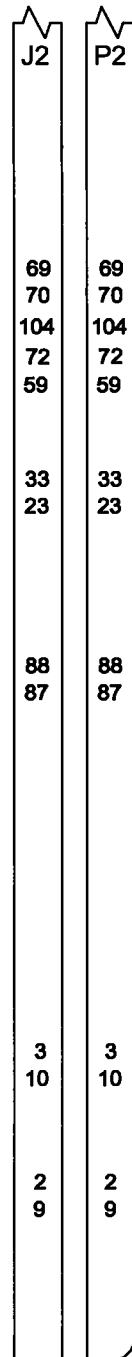
PRE(E1-1)	
E1_1_RX+	MAINTENANCE ETHERNET
E1_1_RX-	
E1_1_TX+	
E1_1_TX-	

MAINTENANCE ETHERNET	
FE10_10RX+	
FE10_10RX-	
FE10_10TX+	
FE10_10RX-	

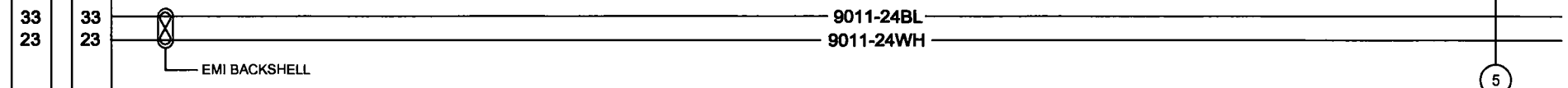
USB	
USB_VCC	*FOR VISION CONTENT UPLOADS
USB_D-	
USB_D+	*WIRE TO AN INSTALLER ACCESSIBLE LOCATION
USB_GND	
MAINTENANCE ETHERNET	

THIRD ANGLE PROJECTION						Carlisle Interconnect Technologies Franklin, WI 53132 414-421-5300	
SIZE	CODE	LEVEL	DWG NO	600-104968			
D	66197	H				SHEET: 3 OF 4	
SCALE: NONE		EFFECTIVITY:					

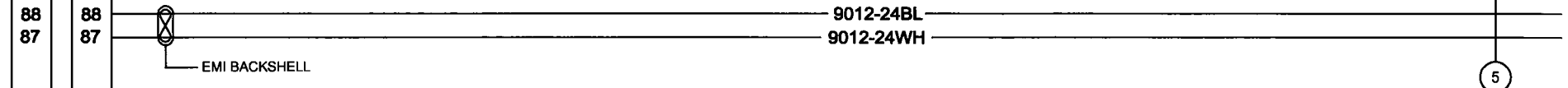
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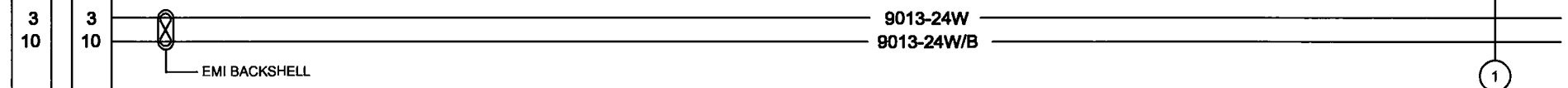
COCKPIT SWITCH	
TM ENABLE	
WIFI-1 ENABLE	
WIFI-2 ENABLE	



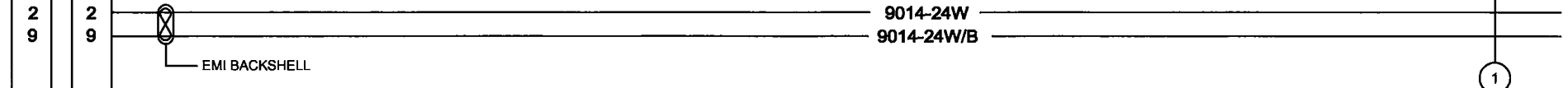
ARINC 429 TRANSMITTER	
TX #1 A	*CONNECT TO FMS/ADC/ARS/GPS
TX #1 B	BUSSES



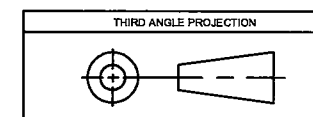
ARINC 717 TRANSMITTER	
TX #1 A	
TX #1 B	



4-WIRE SYSTEM INTERFACE	
MICROPHONE (RING)	
MICROPHONE (SLEEVE)	



HEADPHONES(TIP)	
HEADPHONE(SLEEVE)	



**CARLISLE** Carlisle Interconnect Technologies  
Franklin, WI 53132  
414-421-5300

SIZE	D66197	LEVEL	H	DWG NO	600-104968
SCALE	NONE	EFFECTIVITY		SHEET	4 OF 4