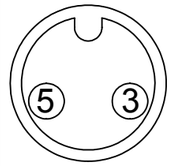
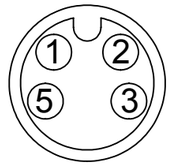
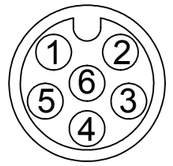
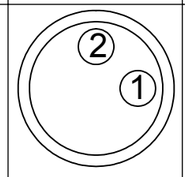
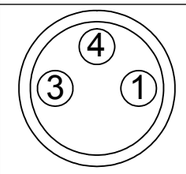
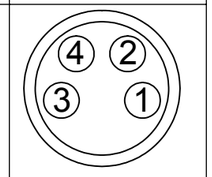
FEMALE CONFIGURATIONS (23AWG)

# OF CONTACTS	2	4	6
FEMALE (FACE VIEW)			
PART NUMBER	330K08-F02B2-X	330K08-F04B2-X	330K08-F06B2-X

FEMALE CONFIGURATIONS (20 AWG)

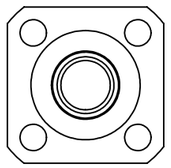
# OF CONTACTS	2	3	4
FEMALE (FACE VIEW)			
PART NUMBER	330K08-C02B2-1	330K08-C03B2-1	330K08-C04B2-1

LABEL:

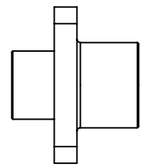
FLAG ☐

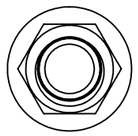
WRAP AROUND ☐

NONE REQUIRED ☐

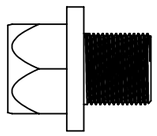


232S08-S4-1

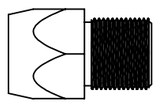




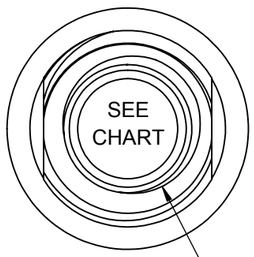
232S08-B3-4

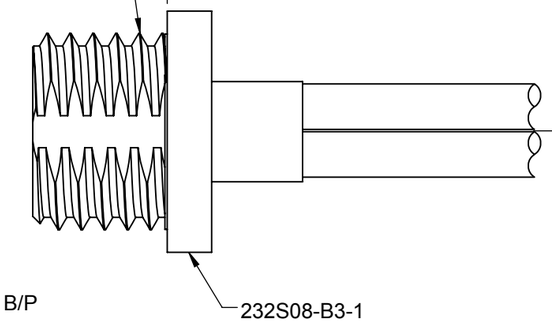


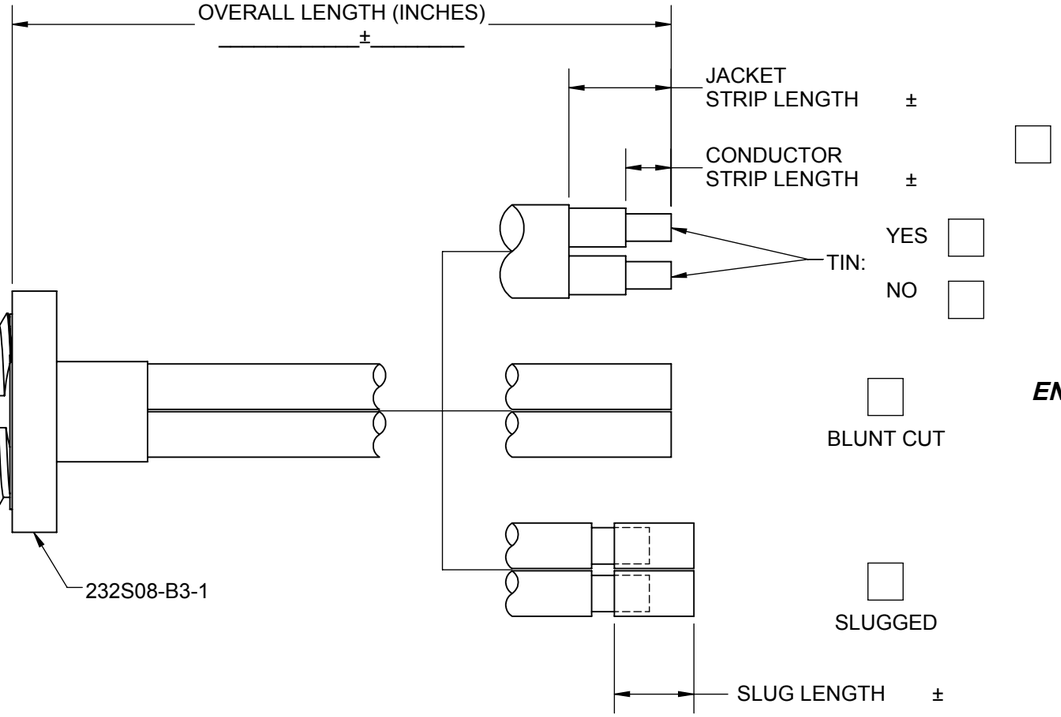
232S08-B3-3



END A







END B

NOTES:

1. **MATERIALS:**
   - **INSERT: PVC**
   - **HOUSING: BRASS / NICKEL PLATED -OR- STAINLESS STEEL**
   - **CONTACTS : COPPER ALLOY, GOLD / NICKEL PLATED**
2. **PRODUCT PERFORMANCE:**
   - **SEALING: UP TO IP67 RATING**
   - **VOLTAGE: UP TO 300V**
   - **WIRE SIZE SEE CONFIGURATION TABLE**
3. **MOUNTING HARDWARE AND GASKET ARE NOT SHOWN**

WIRE COLOR CODE END A

POSITION	1	2	3	4	5	6
COLOR						

WIRING TABLE LEGEND:
N/T = NOT TERMINATED, N/C = NO CONTACT, M/C = MOLDED CLOSED

REQUIRED SECONDARY INTERCONNECTIONS :

ALL DIMENSIONS ARE SPECIFIED IN:
IN
[MM]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

ENGLISH	METRIC
.XX = ±.02 IN	.X = ± .5 MM
.XXX = ±.010 IN	.XX = ± .25 MM

FRACTIONAL = ±1/32"
ALL ANGLES = ±10°

THIRD ANGLE PROJECTION

RoHS

CONFIDENTIALITY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION AND IS SUPPLIED BY ICONN SYSTEMS, LLC, THE OWNER OF SUCH INFORMATION. IN ACCEPTING THIS DRAWING, THE USER AGREES THAT IT IS FOR THE USER'S SOLE USE, THAT IT WILL NOT BE REPRODUCED OR DISTRIBUTED TO OTHERS, AND THAT THE INFORMATION CONTAINED THERIN WILL NOT BE USED IN ANY MANNER DETRIMENTAL TO ICONN SYSTEMS.

DESIGNED BY: A.ALSAADI	DATE: 6-12-17
DESIGN APPROVED BY: T.CZYZ	DATE: 6-12-17
DRAFTED BY: A.ALSAADI	DATE: 6-12-17
CHECKED BY: T.CZYZ	DATE: 6-12-17

SIZE **B** | **DO NOT SCALE THIS DRAWING** | DRAWING SCALE: **2:1**

ICONN an R2M co. SYSTEMS, LLC
1110 N. GARFIELD ST. LOMBARD, IL 60148
TEL: (630) 827-6000 FAX: (630) 827-6006
ICONNSYSTEMS.COM

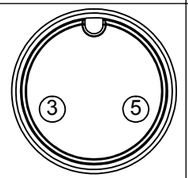
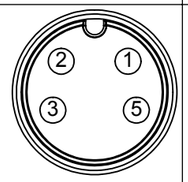
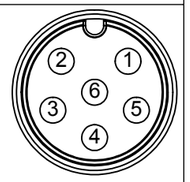
DRAWING TITLE:
i8 FEMALE RECEPTACLE SALES OPTIONS

DRAWING NUMBER: **i8 FEMALE RECEPTACLE**

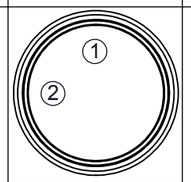
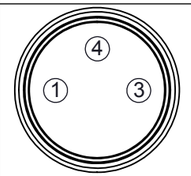
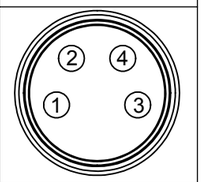
REV. **A**

DRAWING TYPE: **SALES** | SHEET: 1 OF 1

MALE CONFIGURATIONS (23AWG)

# OF CONTACTS	2	4	6
MALE (FACE VIEW)			
PART NUMBER	331K08-F02B2-1	331K08-F04B2-1	331K08-F06B2-1

MALE CONFIGURATIONS (20 AWG)

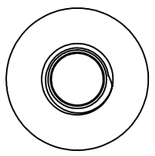
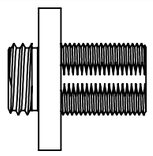
# OF CONTACTS	2	3	4
MALE (FACE VIEW)			
PART NUMBER	331K08-C02B2-1	331K08-C03B2-1	331K08-C04B2-1

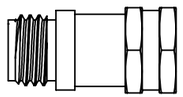
LABEL:

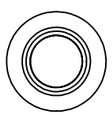
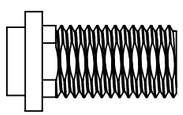
FLAG ☐

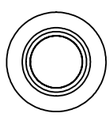
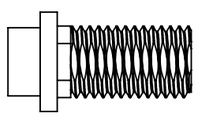
WRAP AROUND ☐

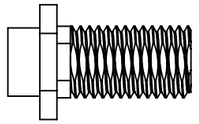
NONE REQUIRED ☐

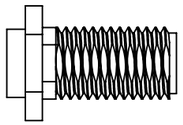

232P08-B3-1


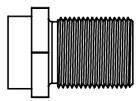
232P08-B3-2


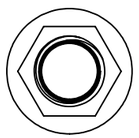
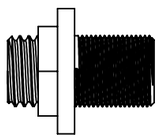

232P08-B3-3



232P08-B3-6


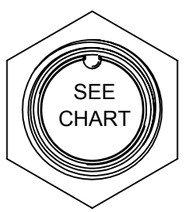
232P08-B3-7


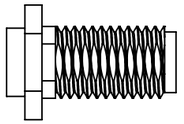
232P08-B3-8


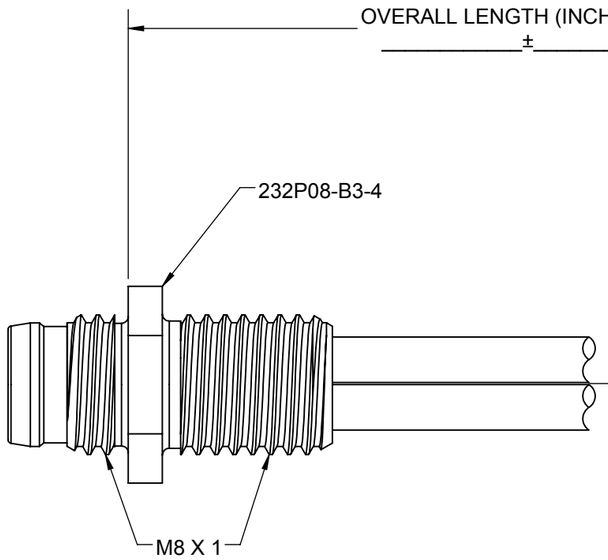
232P08-B3-9


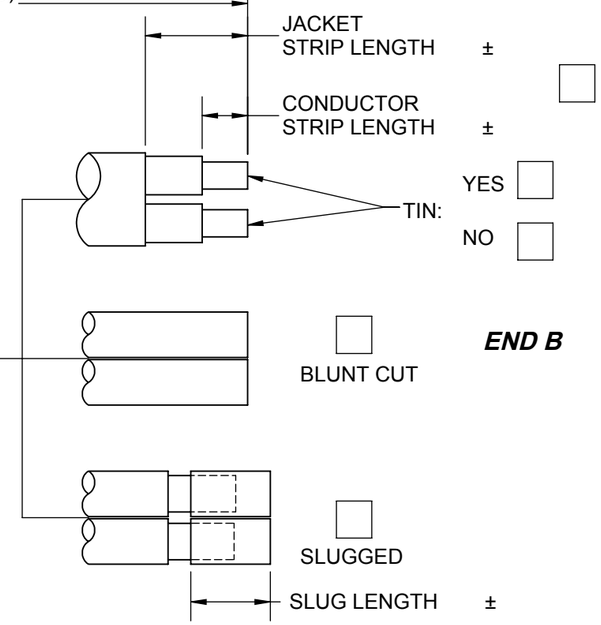

232P08-B3-10


END A



232P08-B3-11






END B

NOTES:

1. **MATERIALS:**
   - **INSERT: PVC**
   - **HOUSING: BRASS / NICKEL PLATED -OR- STAINLESS STEEL**
   - **CONTACTS : COPPER ALLOY, GOLD / NICKEL PLATED**
2. **PRODUCT PERFORMANCE:**
   - **SEALING: UP TO IP67 RATING**
   - **VOLTAGE: UP TO 300V**
   - **WIRE SIZE SEE CONFIGURATION TABLE**
3. **MOUNTING HARDWARE AND GASKET ARE NOT SHOWN**

WIRE COLOR CODE END A						
POSITION	1	2	3	4	5	6
COLOR						

WIRING TABLE LEGEND:
N/T = NOT TERMINATED, N/C = NO CONTACT, M/C = MOLDED CLOSED

REQUIRED SECONDARY INTERCONNECTIONS :

ALL DIMENSIONS ARE SPECIFIED IN:
IN
[MM]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
ENGLISH
.XX = ±.02 IN
.XXX = ±.010 IN
METRIC
.X = ± .5 MM
.XX = ± .25 MM
FRACTIONAL = ±1/32"
ALL ANGLES = ±10°
THIRD ANGLE PROJECTION

RoHS

CONFIDENTIALITY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION AND IS SUPPLIED BY ICONN SYSTEMS, LLC, THE OWNER OF SUCH INFORMATION. IN ACCEPTING THIS DRAWING, THE USER AGREES THAT IT IS FOR THE USER'S SOLE USE, THAT IT WILL NOT BE REPRODUCED OR DISTRIBUTED TO OTHERS, AND THAT THE INFORMATION CONTAINED THERIN WILL NOT BE USED IN ANY MANNER DETRIMENTAL TO ICONN SYSTEMS.

DESIGNED BY: A.ALSAADI	DATE: 6-12-17	
DESIGN APPROVED BY: T.CZYZ	DATE: 6-12-17	
DRAFTED BY: A.ALSAADI	DATE: 6-12-17	
CHECKED BY: T.CZYZ	DATE: 6-12-17	
SIZE: B	DO NOT SCALE THIS DRAWING	DRAWING SCALE: 2:1

ICONN an R2M co. SYSTEMS, LLC
1110 N. GARFIELD ST. LOMBARD, IL 60148
TEL: (630) 827-6000 FAX: (630) 827-6006
ICONNSYSTEMS.COM

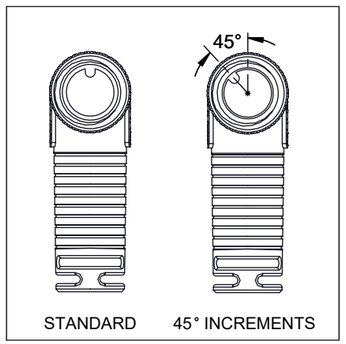
DRAWING TITLE:
i8 MALE RECEPTACLE SALES OPTIONS

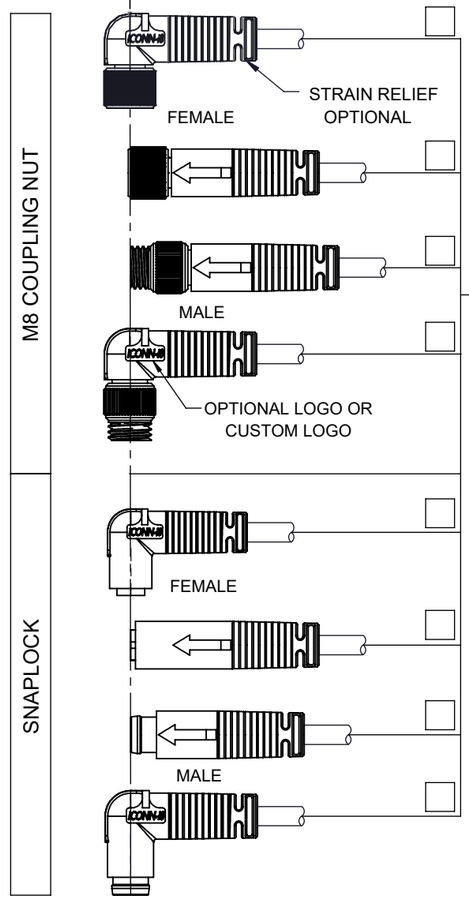
DRAWING NUMBER:
i8 MALE RECEPTACLE

REV. **A**

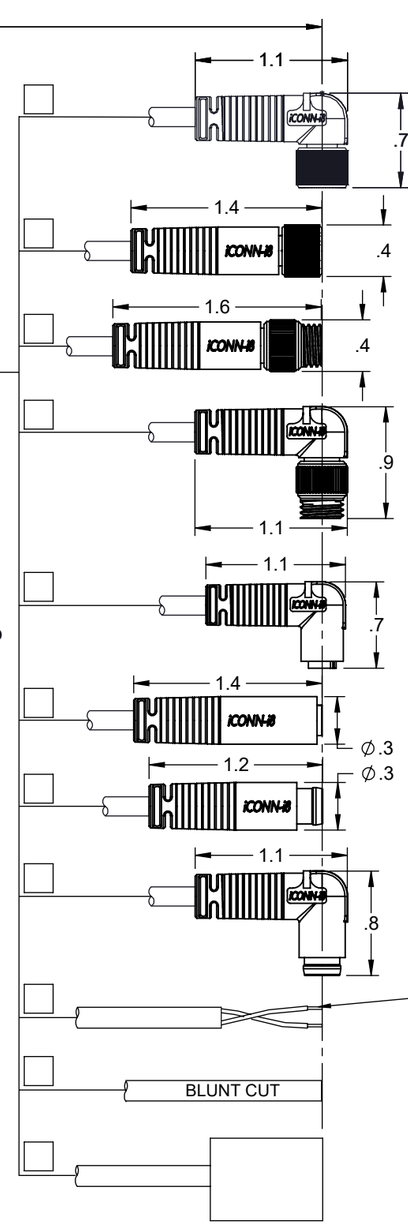
DRAWING TYPE: **SALES** SHEET: 1 OF 1

RIGHT ANGLE KEY ORIENTATION
(FACE VIEW)





- ☐ FLAG
- ☐ WRAP AROUND
- ☐ INK JET
- ☐ NONE REQUIRED



STANDARD TOLERANCES	
OVERALL LENGTH	**TOLERANCE**
< 6"	+/- .25"
6" - 11"	+/- .50"
11" - 23"	+/- 1"
2.00' - 7.99'	+/- 2"
8.00' - 10.99'	+/- 3"
11.00' - 19.99'	+/- 4"
20.00' - 25.99'	+/- 6"
26.00' - 50.99'	+/- 8"
51.00' - 75.99'	+/- 10"
76.00' - 100.00'	+/- 12"
> 100.00'	+/- 1%

NOTE: TIGHTER TOLERANCES MAY REQUIRE SPECIAL FIXTURING AT ADDITIONAL COST

CABLE END PREP:
- JACKET STRIP ____±____ · SLUG: YES ☐ NO ☐
- WIRE STRIP ____±____ · TIN: YES ☐ NO ☐

CABLE SPECIFICATION
CABLE MFG / PART #:
FILL OUT BELOW IF NO CABLE MFG OR PART #:
JACKET COLOR:
JACKET MATERIAL:
CONDUCTOR SIZE:
STRANDING:
TINNED/BARE:
OF CONDUCTORS:
CONDUCTOR INSULATION:
SHIELD:
DRAIN:
VOLTS:
UL:
CSA:
OTHER:

SPECIAL REQUIREMENTS / LABEL INFO:

OVERMOLD:

OVERMOLD MATERIAL:_____ I.P. RATING:_____

OVERMOLD COLOR:_____ UV RESIST: - YES / NO

PACKAGING SPECS:

1. IF LENGTH IS < 3FT. CABLE IS BUNDLED
2. IF LENGTH IS > 3FT. CABLE IS COILED WITH I.D. =5" (UNLESS OTHERWISE SPECIFIED)
3. MISC:

SECONDARY INTERCONNECTION	
MFG	**P/N**

WIRING TABLE LEGEND:
N/T = NOT TERMINATED, N/C = NO CONTACT, M/C = MOLDED CLOSED

ALL DIMENSIONS ARE SPECIFIED IN:
IN
[MM]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
ENGLISH: .XX = ±.02 IN; .XXX = ±.010 IN
METRIC: .X = ± .2 MM; .XX = ± .10 MM
FRACTIONAL = ±1/64"
ALL ANGLES = ±5°
THIRD ANGLE PROJECTION

CONFIDENTIALITY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION AND IS SUPPLIED BY iCONN SYSTEMS, LLC, THE OWNER OF SUCH INFORMATION. IN ACCEPTING THIS DRAWING, THE USER AGREES THAT IT IS FOR THE USER'S SOLE USE, THAT IT WILL NOT BE REPRODUCED OR DISTRIBUTED TO OTHERS, AND THAT THE INFORMATION CONTAINED THERIN WILL NOT BE USED IN ANY MANNER DETRIMENTAL TO iCONN SYSTEMS.

DESIGNED BY: X.XXXXX	DATE: XX-XX-XX		
DESIGN APPROVED BY: X.XXXXX	DATE: XX-XX-XX		
DRAFTED BY: A. HERNANDEZ	DATE: 01-04-23		
CHECKED BY: E. FREEMON	DATE: 01-04-23		
SIZE: B	DO NOT SCALE THIS DRAWING	DRAWING SCALE: 8:1	

iCONN an R2M co. SYSTEMS, LLC
1110 N. GARFIELD ST. LOMBARD, IL 60148
TEL: (630) 827-6000 FAX: (630) 827-6006
ICONNSYSTEMS.COM

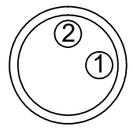
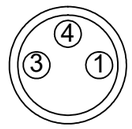
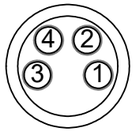
DRAWING TITLE:
i8 SALES OPTIONS

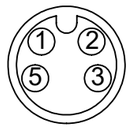
DRAWING NUMBER:
i8 TEMPLATE

REV.: **A**

DRAWING TYPE: SALES | SHEET: 1 OF 2

INSERT FACE VIEWS

CONFIGURATIONS CONDUCTOR SIZE 20 - 24 AWG						
# OF POLES	2 POLE (PIN / SOCKET)		3 POLE (PIN / SOCKET)		4 POLE (PIN / SOCKET)	
FEMALE FACE VIEW (MALE IS REVERSE)						
END A/B						
PIN/SOCKET						

CONFIGURATIONS CONDUCTOR SIZE 24 - 26 AWG						
# OF POLES	4 POLE (PIN / SOCKET)		5 POLE (PIN / SOCKET)		6 POLE (PIN / SOCKET)	
FEMALE FACE VIEW (MALE IS REVERSE)						
END A/B						
PIN/SOCKET						

WIRE COLOR CODE END "A"					
1	2	3	4	5	6

WIRE COLOR CODE END "B"					
1	2	3	4	5	6

WIRING TABLE LEGEND:
N/T = NOT TERMINATED, N/C = NO CONTACT, M/C = MOLDED CLOSED

CONNECTOR CHECKLIST:

PAGE 1

- END A STYLE SELECTION
- END B STYLE SELECTION
- LABEL
- STRIP/TIN/SLUG
- OTHER INTERCONNECT
- CABLE SPECIFICATIONS
- OVERMOLD MATERIAL / COLOR / UV

PAGE 2

- END A PINOUT
- END A GENDER
- END B PINOUT (IF APPLICABLE)
- END B GENDER (IF APPLICABLE)
- WIRING TABLE

ALL DIMENSIONS ARE SPECIFIED IN:
IN
[MM]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
ENGLISH
.XX = ±.02 IN
.XXX = ±.010 IN
METRIC
.X = ± .2 MM
.XX = ± .10 MM
FRACTIONAL = ±1/64"
ALL ANGLES = ±5°
THIRD ANGLE PROJECTION

CONFIDENTIALITY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION AND IS SUPPLIED BY ICONN SYSTEMS, LLC, THE OWNER OF SUCH INFORMATION. IN ACCEPTING THIS DRAWING, THE USER AGREES THAT IT IS FOR THE USER'S SOLE USE, THAT IT WILL NOT BE REPRODUCED OR DISTRIBUTED TO OTHERS, AND THAT THE INFORMATION CONTAINED THERIN WILL NOT BE USED IN ANY MANNER DETRIMENTAL TO ICONN SYSTEMS.

DESIGNED BY: X.XXXXX	DATE: XX-XX-XX
DESIGN APPROVED BY: X.XXXXX	DATE: XX-XX-XX
DRAFTED BY: A. HERNANDEZ	DATE: 01-04-23
CHECKED BY: E. FREEMON	DATE: 01-04-23
SIZE: B	DO NOT SCALE THIS DRAWING
DRAWING SCALE: 8:1	

iCONN an R2M co.
SYSTEMS, LLC
1110 N. GARFIELD ST. LOMBARD, IL 60148
TEL: (630) 827-6000 FAX: (630) 827-6006
ICONNSYSTEMS.COM

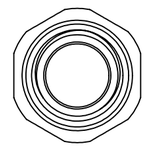
DRAWING TITLE: **i8 SALES OPTIONS**

DRAWING NUMBER: **I8 TEMPLATE**

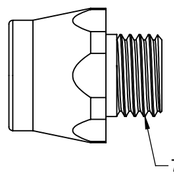
REV. **A**

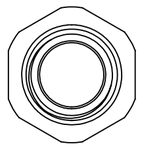
DRAWING TYPE: **SALES**

SHEET: 2 OF 2

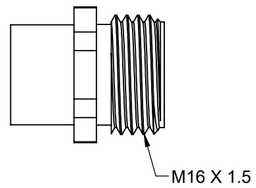


232S12-B3-7





232S12-B3-1

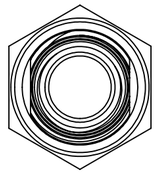


LABEL:

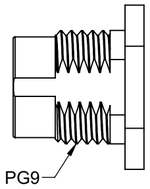
FLAG ☐

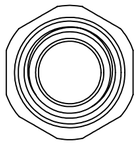
WRAP AROUND ☐

NONE REQUIRED ☐

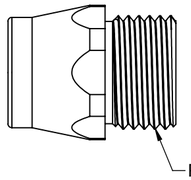


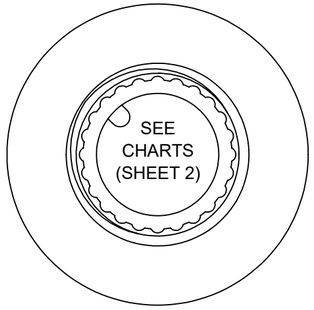
232S12-B3-5





232S12-B3-6

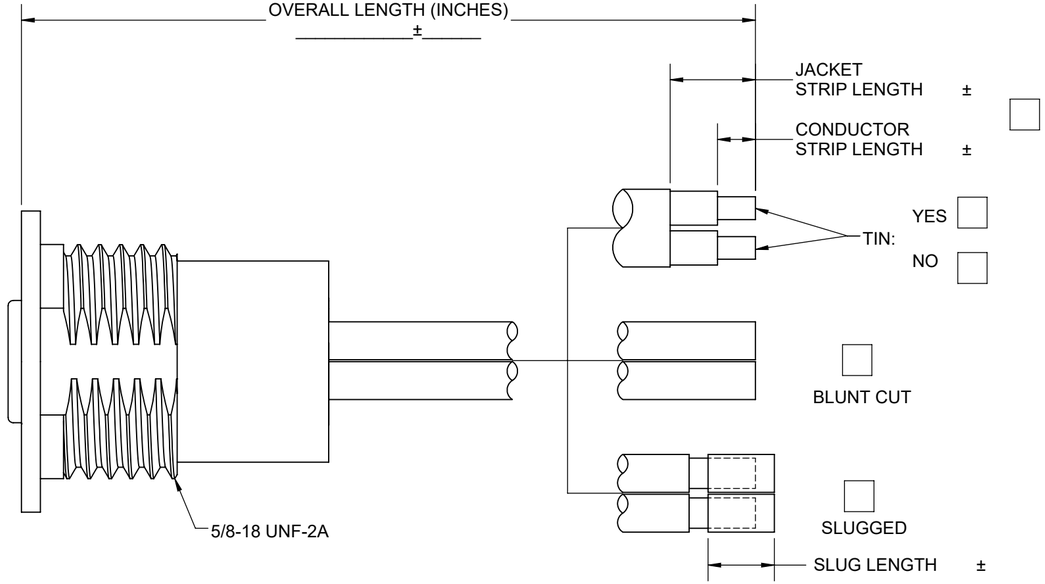




END A

232S12-B3-3

232S12-B3-2



END B

NOTES:

1. **MATERIALS:**
   - **INSERT: PA OR PBT**
   - **HOUSING: BRASS / NICKEL PLATED -OR- STAINLESS STEEL**
   - **CONTACTS : COPPER ALLOY, GOLD / NICKEL PLATED**
2. **PRODUCT PERFORMANCE:**
   - **SEALING: UP TO IP67 RATING**
   - **VOLTAGE: UP TO 300V**
   - **WIRE SIZE: SEE CONFIGURATION TABLE**
3. **MOUNTING HARDWARE AND GASKET NOT SHOWN**
4. **INSERT CONFIGURATIONS ON SHEET 2**

REQUIRED SECONDARY INTERCONNECTIONS :

WIRE COLOR CODE END A

POSITION	1	2	3	4	5	6	7	8
COLOR								

WIRING TABLE LEGEND:
N/T = NOT TERMINATED, N/C = NO CONTACT, M/C = MOLDED CLOSED

RoHS

ALL DIMENSIONS ARE SPECIFIED IN:
IN
[MM]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

ENGLISH
.XX = ±.02 IN
.XXX = ±.010 IN

METRIC
.X = ± .5 MM
.XX = ± .25 MM

FRACTIONAL = ±1/32"
ALL ANGLES = ±10°

THIRD ANGLE PROJECTION

CONFIDENTIALITY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION AND IS SUPPLIED BY ICONN SYSTEMS, LLC, THE OWNER OF SUCH INFORMATION. IN ACCEPTING THIS DRAWING, THE USER AGREES THAT IT IS FOR THE USER'S SOLE USE, THAT IT WILL NOT BE REPRODUCED OR DISTRIBUTED TO OTHERS, AND THAT THE INFORMATION CONTAINED THERIN WILL NOT BE USED IN ANY MANNER DETRIMENTAL TO ICONN SYSTEMS.

DESIGNED BY: A.ALSAADI	DATE: 6-12-17	
DESIGN APPROVED BY: T.CZYZ	DATE: 6-12-17	
DRAFTED BY: C.CAPUL	DATE: 8-3-2021	
CHECKED BY: T.CZYZ	DATE: 8-3-2021	
SIZE **B**	**DO NOT SCALE THIS DRAWING**	DRAWING SCALE: **2:1**

iCONN an R2M co. SYSTEMS, LLC
1110 N. GARFIELD ST. LOMBARD, IL 60148
TEL: (630) 827-6000 FAX: (630) 827-6006
ICONNSYSTEMS.COM

DRAWING TITLE:
i12 FEMALE RECEPTACLE SALES OPTIONS
(A,B & D CODES ONLY)

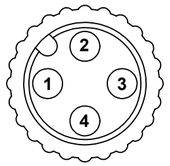
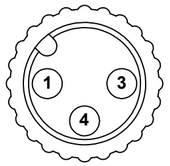
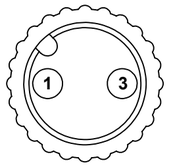
DRAWING NUMBER: **i12 FEMALE RECEPTACLE**

REV. **B**

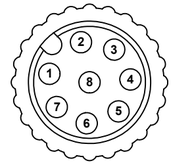
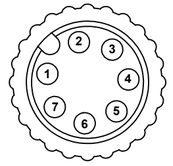
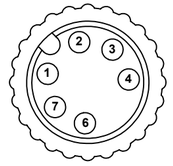
DRAWING TYPE: **SALES**

SHEET: 1 OF 2

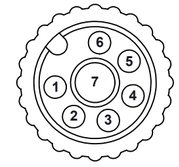
A-CODE FEMALE CONFIGURATIONS (20AWG)

# OF CONTACTS	5	4	3	2
FEMALE (FACE VIEW)				
PART NUMBER	330K10-C05B2-1	330K12-C04B2-1	330K12-C03B2-1	330K12-C02B2-1

A-CODE FEMALE CONFIGURATIONS (22 AWG)

# OF CONTACTS	8	7	6
FEMALE (FACE VIEW)			
PART NUMBER	330K12-D08B2-1	330K12-D07B2-1	330K12-D06B2-1

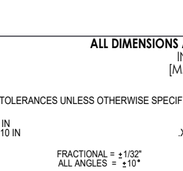
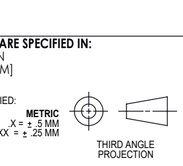
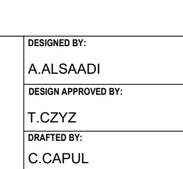
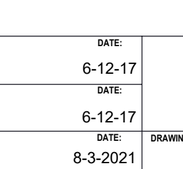
A-CODE FEMALE CONFIGURATIONS (22AWG AND 1 POLE RG-179 COAX)

# OF CONTACTS	7
FEMALE (FACE VIEW)	
PART NUMBER	330K12-Z07B2-1

B-CODE FEMALE CONFIGURATIONS (20AWG)

# OF CONTACTS	5	4	3	2
FEMALE (FACE VIEW)		***	***	***
PART NUMBER	330K12-C05B2-2	330K12-C04B2-4	330K12-C03B2-2	330K12-C02B2-2

D-CODE FEMALE CONFIGURATIONS (20AWG)

# OF CONTACTS	5	4	3	2
FEMALE (FACE VIEW)		*** 	*** 	*** 
PART NUMBER	330K12-C05B2-3	330K12-C04B2-3	330K12-C03B2-3	330K12-C02B2-3

***NO CONTACT, ACCOMMODATES MATING PIN CONTACT

REQUIRED SECONDARY INTERCONNECTIONS :

ALL DIMENSIONS ARE SPECIFIED IN:
IN
[MM]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
ENGLISH
.XX = ±.02 IN
.XXX = ±.010 IN
METRIC
.X = ± .5 MM
.XX = ± .25 MM
FRACTIONAL = ±1/32"
ALL ANGLES = ±10°
THIRD ANGLE PROJECTION

CONFIDENTIALITY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION AND IS SUPPLIED BY ICONN SYSTEMS, LLC, THE OWNER OF SUCH INFORMATION. IN ACCEPTING THIS DRAWING, THE USER AGREES THAT IT IS FOR THE USER'S SOLE USE, THAT IT WILL NOT BE REPRODUCED OR DISTRIBUTED TO OTHERS, AND THAT THE INFORMATION CONTAINED THERIN WILL NOT BE USED IN ANY MANNER DETRIMENTAL TO ICONN SYSTEMS.

RoHS

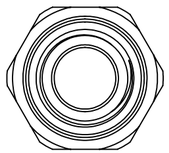
DESIGNED BY: A.ALSAADI	DATE: 6-12-17	
DESIGN APPROVED BY: T.CZYZ	DATE: 6-12-17	
DRAFTED BY: C.CAPUL	DATE: 8-3-2021	
CHECKED BY: T.CZYZ	DATE: 8-3-2021	
SIZE: B	DO NOT SCALE THIS DRAWING	DRAWING SCALE: 2:1

iCONN an R2M co. SYSTEMS, LLC
1110 N. GARFIELD ST. LOMBARD, IL 60148
TEL: (630) 827-6000 FAX: (630) 827-6006
ICONNSYSTEMS.COM

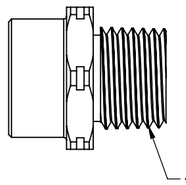
DRAWING TITLE:
i12 FEMALE RECEPTACLE SALES OPTIONS
(A,B & D CODES ONLY)

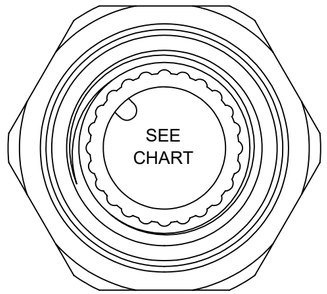
DRAWING NUMBER: **i12 FEMALE RECEPTACLE**
REV. **B**
DRAWING TYPE: **SALES**
SHEET: 2 OF 2

WIRING TABLE LEGEND:
N/T = NOT TERMINATED, N/C = NO CONTACT, M/C = MOLDED CLOSED



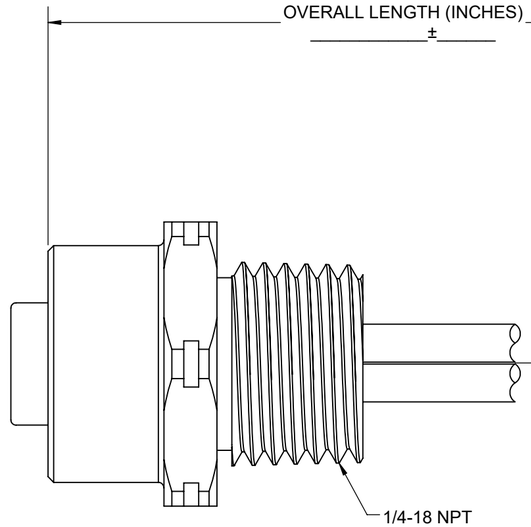
232P12-B3-13





END A

232P12-B3-13



LABEL:

FLAG ☐

WRAP AROUND ☐

NONE REQUIRED ☐

JACKET STRIP LENGTH ±

CONDUCTOR STRIP LENGTH ±

TIN:

YES ☐

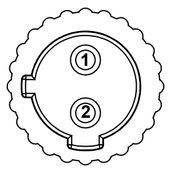
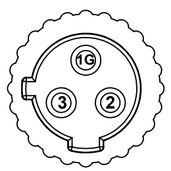
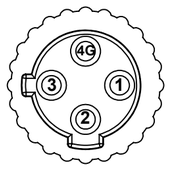
NO ☐

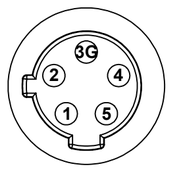
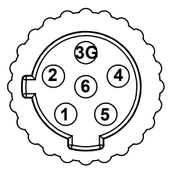
END B

☐ BLUNT CUT

☐ SLUGGED

SLUG LENGTH ±

C-CODE FEMALE CONFIGURATION (20 AWG)			
# OF CONTACTS	2	3	4
FEMALE (FACE VIEW)			
PART NUMBER	360K12-C02B2-1	360K12-C03B2-1	360K12-C04B2-1

C-CODE FEMALE CONFIGURATION (22 AWG)		
# OF CONTACTS	5	6
FEMALE (FACE VIEW)		
PART NUMBER	360K12-D05B2-1	360K12-D06B2-1

NOTES:

1. **MATERIALS:**
   - **INSERT: PA OR PBT**
   - **HOUSING: BRASS / NICKEL PLATED -OR- STAINLESS STEEL**
   - **CONTACTS : COPPER ALLOY, GOLD / NICKEL PLATED**
2. **PRODUCT PERFORMANCE:**
   - **SEALING: UP TO IP67 RATING**
   - **VOLTAGE: UP TO 300V**
   - **WIRE SIZE: SEE CONFIGURATION TABLE**
3. **MOUNTING HARDWARE AND GASKET NOT SHOWN**

WIRE COLOR CODE END A								
POSITION	1	2	3	4	5	6	7	8
COLOR								

RoHS

REQUIRED SECONDARY INTERCONNECTIONS :

ALL DIMENSIONS ARE SPECIFIED IN:
IN
[MM]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

ENGLISH
.XX = ± .02 IN
.XXX = ± .010 IN

METRIC
.X = ± .5 MM
.XX = ± .25 MM

FRACTIONAL = ±1/32"
ALL ANGLES = ±10°

THIRD ANGLE PROJECTION

CONFIDENTIALITY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION AND IS SUPPLIED BY ICONN SYSTEMS, LLC, THE OWNER OF SUCH INFORMATION. IN ACCEPTING THIS DRAWING, THE USER AGREES THAT IT IS FOR THE USER'S SOLE USE, THAT IT WILL NOT BE REPRODUCED OR DISTRIBUTED TO OTHERS, AND THAT THE INFORMATION CONTAINED THERIN WILL NOT BE USED IN ANY MANNER DETRIMENTAL TO ICONN SYSTEMS.

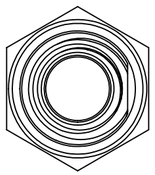
DESIGNED BY: A.ALSAADI	DATE: 6-12-17
DESIGN APPROVED BY: T.CZYZ	DATE: 6-12-17
DRAFTED BY: C.CAPUL	DATE: 8-3-2021
CHECKED BY: T.CZYZ	DATE: 8-3-2021

iCONN an R2M co. SYSTEMS, LLC
1110 N. GARFIELD ST. LOMBARD, IL 60148
TEL: (630) 827-6000 FAX: (630) 827-6006
ICONNSYSTEMS.COM

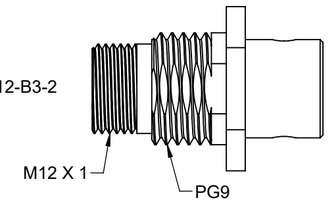
DRAWING TITLE:
i12 FEMALE RECEPTACLE
SALES OPTIONS
(A,B & D CODES ONLY)

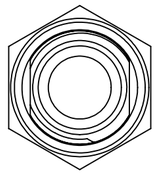
SIZE		DRAWING SCALE:	DRAWING NUMBER:	REV.
B	DO NOT SCALE THIS DRAWING	2:1	i12 FEMALE RECEPTACLE	B
			DRAWING TYPE: SALES — SHEET: 1 OF 1	

WIRING TABLE LEGEND:
N/T = NOT TERMINATED, N/C = NO CONTACT, M/C = MOLDED CLOSED

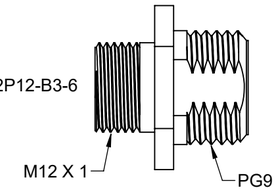


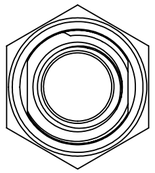
232P12-B3-2



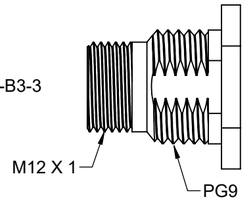


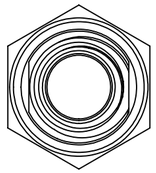
232P12-B3-6



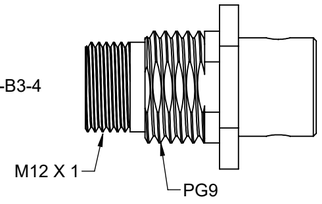


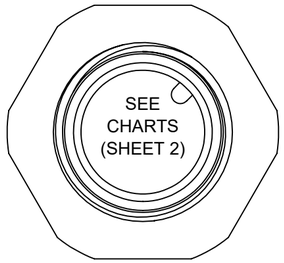
232P12-B3-3





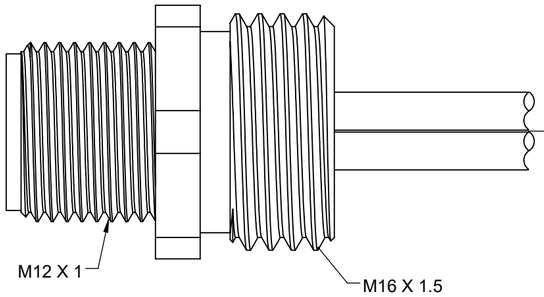
232P12-B3-4

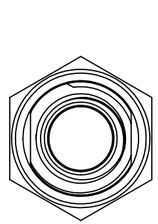




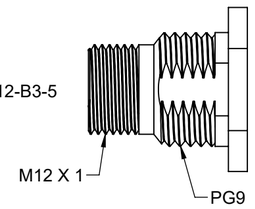
END A

232P12-B3-1





232P12-B3-5

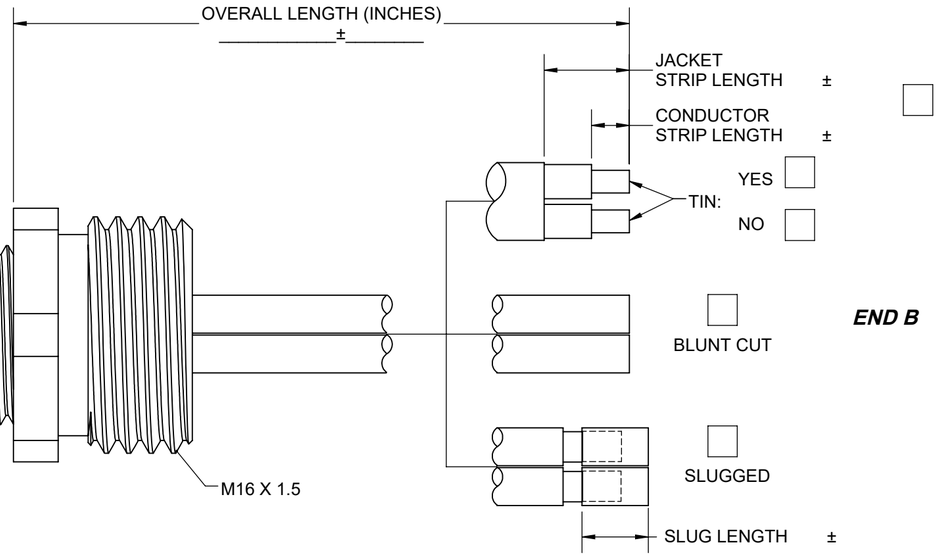


LABEL:

FLAG ☐

WRAP AROUND ☐

NONE REQUIRED ☐



END B

NOTES:

1. **MATERIALS:**
   - **INSERT: PA OR PBT**
   - **HOUSING: BRASS / NICKEL PLATED -OR- STAINLESS STEEL**
   - **CONTACTS : COPPER ALLOY, GOLD / NICKEL PLATED**
2. **PRODUCT PERFORMANCE:**
   - **SEALING: UP TO IP67 RATING**
   - **VOLTAGE: UP TO 300V**
   - **WIRE SIZE: SEE CONFIGURATION TABLE**
3. **MOUNTING HARDWARE AND GASKET NOT SHOWN**
4. **SEE SHEET 2 FOR INSERT CONFIGURATIONS**

WIRE COLOR CODE END A								
POSITION	1	2	3	4	5	6	7	8
COLOR								

WIRING TABLE LEGEND:
N/T = NOT TERMINATED, N/C = NO CONTACT, M/C = MOLDED CLOSED

RoHS

REQUIRED SECONDARY INTERCONNECTIONS :

ALL DIMENSIONS ARE SPECIFIED IN:
IN
[MM]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
ENGLISH
.XX = ±.02 IN
.XXX = ±.010 IN
METRIC
.X = ± .5 MM
.XX = ± .25 MM
FRACTIONAL = ±1/32"
ALL ANGLES = ±10°
THIRD ANGLE PROJECTION

CONFIDENTIALITY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION AND IS SUPPLIED BY iCONN SYSTEMS, LLC, THE OWNER OF SUCH INFORMATION. IN ACCEPTING THIS DRAWING, THE USER AGREES THAT IT IS FOR THE USER'S SOLE USE, THAT IT WILL NOT BE REPRODUCED OR DISTRIBUTED TO OTHERS, AND THAT THE INFORMATION CONTAINED THERIN WILL NOT BE USED IN ANY MANNER DETRIMENTAL TO iCONN SYSTEMS.

DESIGNED BY: A.ALSAADI	DATE: 6-12-17		
DESIGN APPROVED BY: T.CZYZ	DATE: 6-12-17		
DRAFTED BY: C.CAPUL	DATE: 8-3-2021		
CHECKED BY: T.CZYZ	DATE: 8-3-2021		
SIZE **B**	**DO NOT SCALE THIS DRAWING**	DRAWING SCALE: **2:1**	

iCONN an R2M co. SYSTEMS, LLC
1110 N. GARFIELD ST. LOMBARD, IL 60148
TEL: (630) 827-6000 FAX: (630) 827-6006
ICONNSYSTEMS.COM

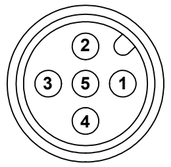
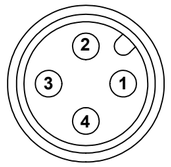
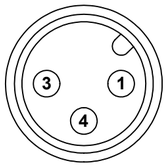
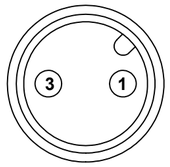
DRAWING TITLE:
i12 MALE RECEPTACLE SALES OPTIONS
(A,B & D CODES ONLY)

DRAWING NUMBER:
i12 MALE RECEPTACLE

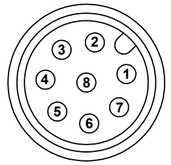
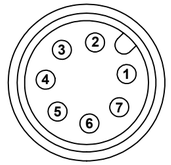
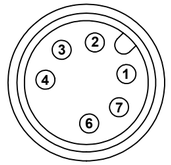
REV. **B**

DRAWING TYPE: **SALES** SHEET: 1 OF 2

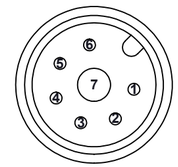
A-CODE MALE CONFIGURATIONS (20AWG)

# OF CONTACTS	5	4	3	2
MALE (FACE VIEW)				
PART NUMBER	331K12-C05B2-1	331K12-C04B2-1	331K12-C03B2-1	331K12-C02B2-1

A-CODE MALE CONFIGURATIONS (22 AWG)

# OF CONTACTS	8	7	6
MALE (FACE VIEW)			
PART NUMBER	331K12-D08B2-1	331K12-D07B2-1	331K12-D06B2-1

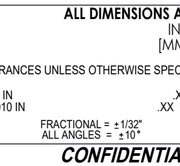
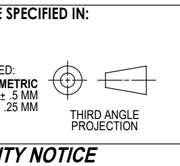
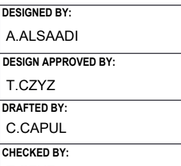
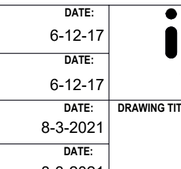
A-CODE MALE CONFIGURATIONS (22AWG AND 1 POLE RG-179 COAX)

# OF CONTACTS	7
MALE (FACE VIEW)	
PART NUMBER	331K12-Z07B2-1

B-CODE MALE CONFIGURATIONS (20AWG)

# OF CONTACTS	5	4	3	2
MALE (FACE VIEW)		***	***	***
PART NUMBER	331K12-C05B2-2	331K12-C04B2-2	331K12-C03B2-2	330112-C02B2-2

D-CODE MALE CONFIGURATIONS (20AWG)

# OF CONTACTS	5	4	3	2
MALE (FACE VIEW)		*** 	*** 	*** 
PART NUMBER	331K12-C05B2-3	331K12-C04B2-3	331K12-C03B2-3	331K12-C02B2-3

● ***NO CONTACT, MOLDED CLOSED

REQUIRED SECONDARY INTERCONNECTIONS :

ALL DIMENSIONS ARE SPECIFIED IN:
IN
[MM]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
ENGLISH
.XX = ±.02 IN
.XXX = ±.010 IN
METRIC
.X = ± .5 MM
.XX = ± .25 MM
FRACTIONAL = ±1/32"
ALL ANGLES = ±10°
THIRD ANGLE PROJECTION

CONFIDENTIALITY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION AND IS SUPPLIED BY iCONN SYSTEMS, LLC, THE OWNER OF SUCH INFORMATION. IN ACCEPTING THIS DRAWING, THE USER AGREES THAT IT IS FOR THE USER'S SOLE USE, THAT IT WILL NOT BE REPRODUCED OR DISTRIBUTED TO OTHERS, AND THAT THE INFORMATION CONTAINED THERIN WILL NOT BE USED IN ANY MANNER DETRIMENTAL TO iCONN SYSTEMS.

RoHS

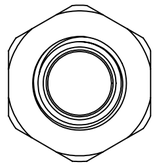
DESIGNED BY: A.ALSAADI	DATE: 6-12-17	
DESIGN APPROVED BY: T.CZYZ	DATE: 6-12-17	
DRAFTED BY: C.CAPUL	DATE: 8-3-2021	
CHECKED BY: T.CZYZ	DATE: 8-3-2021	
SIZE: B	DO NOT SCALE THIS DRAWING	DRAWING SCALE: 2:1

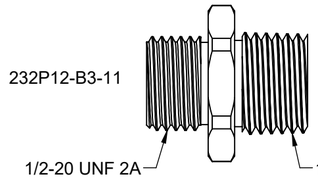
iCONN an R2M co. SYSTEMS, LLC
1110 N. GARFIELD ST. LOMBARD, IL 60148
TEL: (630) 827-6000 FAX: (630) 827-6006
ICONNSYSTEMS.COM

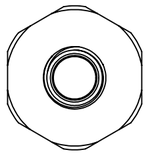
DRAWING TITLE:
i12 MALE RECEPTACLE SALES OPTIONS
(A,B & D CODES ONLY)

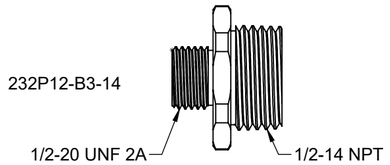
DRAWING NUMBER: **i12 MALE RECEPTACLE**
REV. **B**
DRAWING TYPE: SALES
SHEET: 2 OF 2

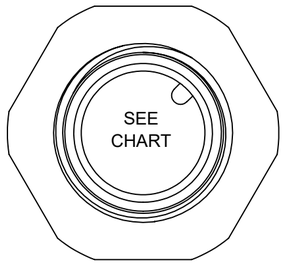
WIRING TABLE LEGEND:
N/T = NOT TERMINATED, N/C = NO CONTACT, M/C = MOLDED CLOSED

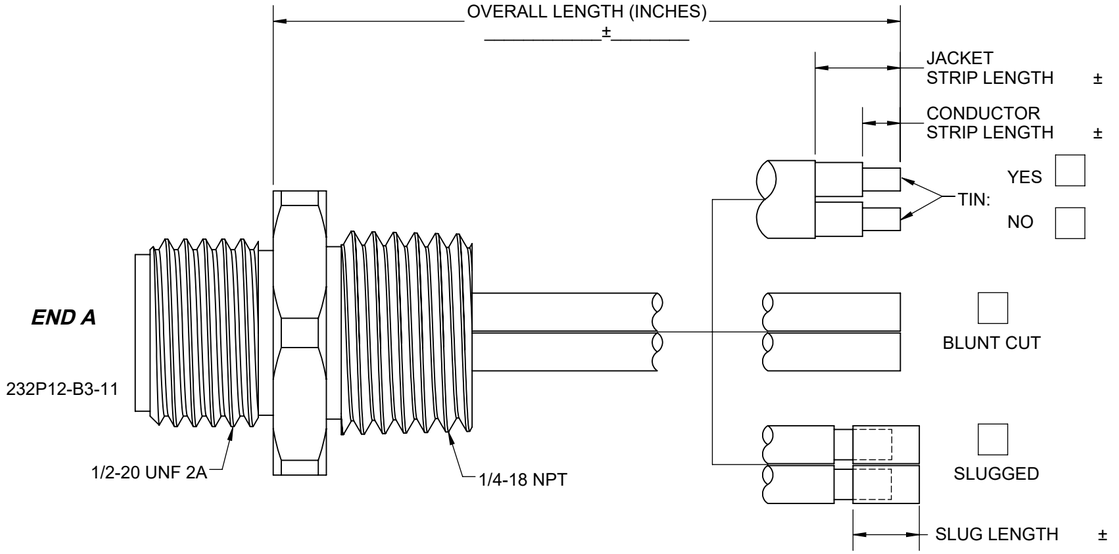










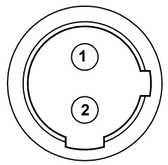
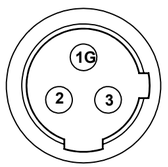
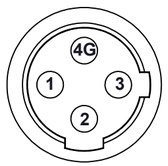


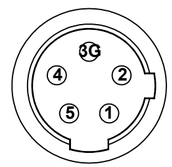
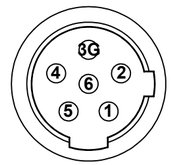
LABEL:

FLAG ☐

WRAP AROUND ☐

NONE REQUIRED ☐

C-CODE MALE CONFIGURATIONS (20AWG)			
# OF CONTACTS	2	3	4
MALE (FACE VIEW)			
PART NUMBER	361K12-C02B2-1	361K12-C03B2-1	361K12-C04B2-1

C-CODE MALE CONFIGURATIONS (22AWG)		
# OF CONTACTS	5	6
MALE (FACE VIEW)		
PART NUMBER	361K12-D05B2-1	361K12-D06B2-1

NOTES:

1. **MATERIALS:**
   - **INSERT: PA OR PBT**
   - **HOUSING: BRASS / NICKEL PLATED -OR- STAINLESS STEEL**
   - **CONTACTS : COPPER ALLOY, GOLD / NICKEL PLATED**
2. **PRODUCT PERFORMANCE:**
   - **SEALING: UP TO IP67 RATING**
   - **VOLTAGE: UP TO 300V**
   - **WIRE SIZE: SEE CONFIGURATION TABLE**
3. **MOUNTING HARDWARE AND GASKET NOT SHOWN**

WIRE COLOR CODE END A								
POSITION	1	2	3	4	5	6	7	8
COLOR								

WIRING TABLE LEGEND:
N/T = NOT TERMINATED, N/C = NO CONTACT, M/C = MOLDED CLOSED

RoHS

REQUIRED SECONDARY INTERCONNECTIONS :

ALL DIMENSIONS ARE SPECIFIED IN:
IN
[MM]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
ENGLISH
.XX = ±.02 IN
.XXX = ±.010 IN
METRIC
.X = ± .5 MM
.XX = ± .25 MM
FRACTIONAL = ±1/32"
ALL ANGLES = ±10°
THIRD ANGLE PROJECTION

CONFIDENTIALITY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION AND IS SUPPLIED BY ICONN SYSTEMS, LLC, THE OWNER OF SUCH INFORMATION. IN ACCEPTING THIS DRAWING, THE USER AGREES THAT IT IS FOR THE USER'S SOLE USE, THAT IT WILL NOT BE REPRODUCED OR DISTRIBUTED TO OTHERS, AND THAT THE INFORMATION CONTAINED THERIN WILL NOT BE USED IN ANY MANNER DETRIMENTAL TO ICONN SYSTEMS.

DESIGNED BY: A.ALSAADI	DATE: 6-12-17	
DESIGN APPROVED BY: T.CZYZ	DATE: 6-12-17	
DRAFTED BY: C.CAPUL	DATE: 8-3-2021	
CHECKED BY: T.CZYZ	DATE: 8-3-2021	
SIZE: B	DO NOT SCALE THIS DRAWING	DRAWING SCALE: 2:1

iCONN an R2M co. SYSTEMS, LLC
1110 N. GARFIELD ST. LOMBARD, IL 60148
TEL: (630) 827-6000 FAX: (630) 827-6006
ICONNSYSTEMS.COM

DRAWING TITLE:
i12 MALE RECEPTACLE
SALES OPTIONS
(C CODE ONLY)

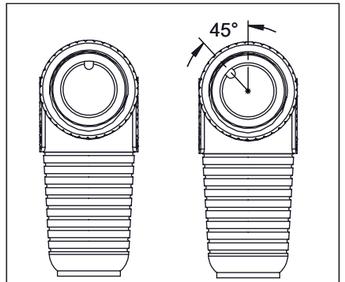
DRAWING NUMBER: **i12 MALE RECEPTACLE**

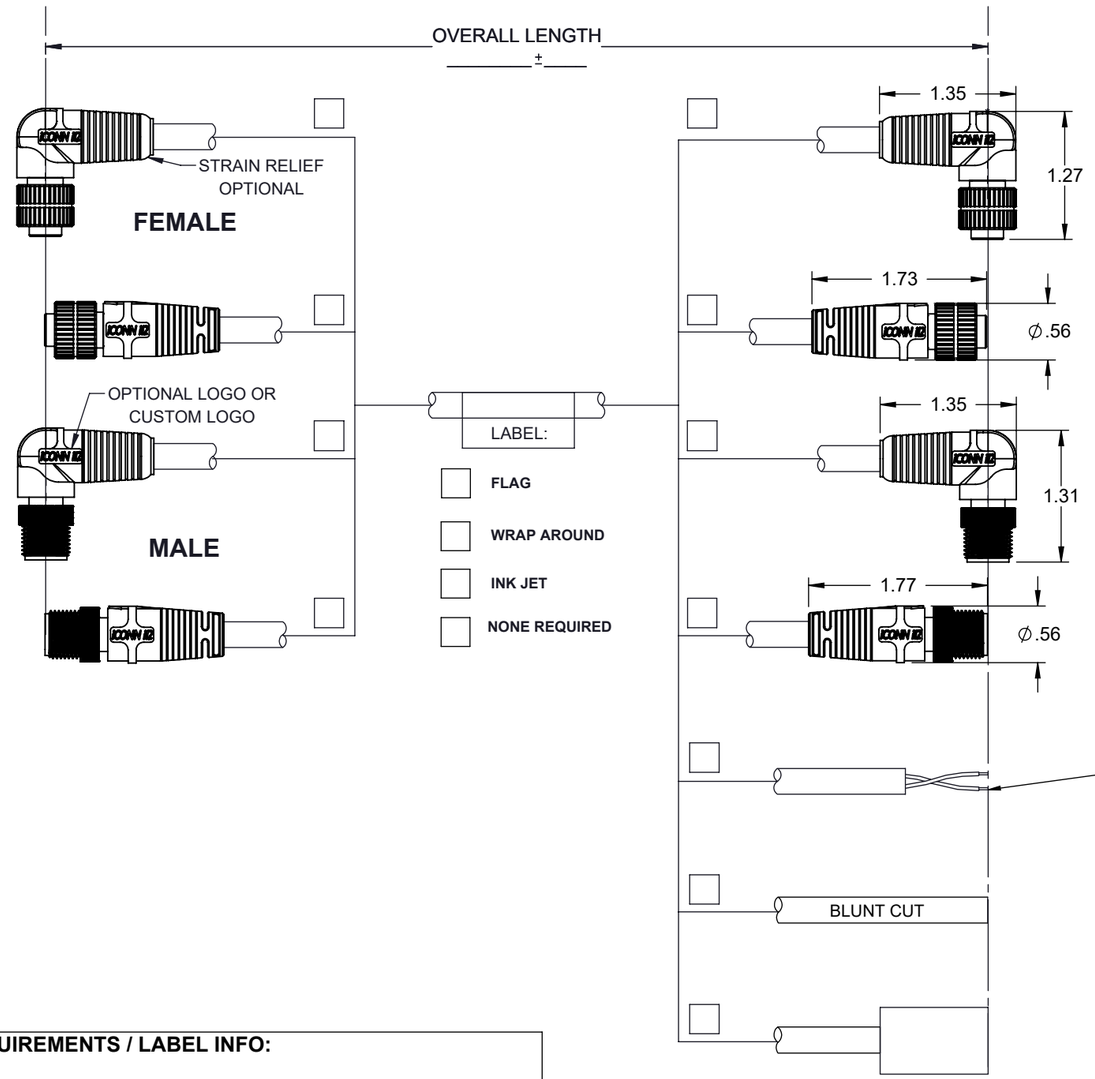
REV. **B**

DRAWING TYPE: **SALES**

SHEET: 1 OF 1

RIGHT ANGLE KEY ORIENTATION
(FACE VIEW)





STANDARD TOLERANCES	
OVERALL LENGTH	TOLERANCE
< 6"	+/- .25"
6" - 11"	+/- .50"
11" - 23"	+/- 1"
2.00' - 7.99'	+/- 2"
8.00' - 10.99'	+/- 3"
11.00' - 19.99'	+/- 4"
20.00' - 25.99'	+/- 6"
26.00' - 50.99'	+/- 8"
51.00' - 75.99'	+/- 10"
76.00' - 100.00'	+/- 12"
> 100.00'	+/- 1%

NOTE: TIGHTER TOLERANCES MAY REQUIRE SPECIAL FIXTURING AT ADDITIONAL COST

CABLE END PREP:
- JACKET STRIP ____±___ · SLUG: YES ☐ NO ☐
- WIRE STRIP ____±___ · TIN: YES ☐ NO ☐

CABLE SPECIFICATION
CABLE MFG / PART #:
FILL OUT BELOW IF NO CABLE MFG OR PART #:
JACKET COLOR:
JACKET MATERIAL:
CONDUCTOR SIZE:
STRANDING:
TINNED/BARE:
OF CONDUCTORS:
CONDUCTOR INSULATION:
SHIELD:
DRAIN:
VOLTS:
UL:
CSA:
OTHER:

SPECIAL REQUIREMENTS / LABEL INFO:

OVERMOLD:

OVERMOLD MATERIAL:_____ I.P. RATING:_____

OVERMOLD COLOR:_____ UV RESIST: - YES / NO

PACKAGING SPECS:

1. IF LENGTH IS < 3FT. CABLE IS BUNDLED
2. IF LENGTH IS > 3FT. CABLE IS COILED WITH I.D. =5" (UNLESS OTHERWISE SPECIFIED)
3. MISC:

SECONDARY INTERCONNECTION	
MFG	P/N

WIRING TABLE LEGEND:
N/T = NOT TERMINATED, N/C = NO CONTACT, M/C = MOLDED CLOSED

ALL DIMENSIONS ARE SPECIFIED IN:
IN
[MM]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
ENGLISH: .XX = ±.02 IN, .XXX = ±.010 IN
METRIC: .X = ± .2 MM, .XX = ± .10 MM
FRACTIONAL = ±1/64"
ALL ANGLES = ±5°
THIRD ANGLE PROJECTION

CONFIDENTIALITY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION AND IS SUPPLIED BY ICONN SYSTEMS, LLC, THE OWNER OF SUCH INFORMATION. IN ACCEPTING THIS DRAWING, THE USER AGREES THAT IT IS FOR THE USER'S SOLE USE, THAT IT WILL NOT BE REPRODUCED OR DISTRIBUTED TO OTHERS, AND THAT THE INFORMATION CONTAINED THERIN WILL NOT BE USED IN ANY MANNER DETRIMENTAL TO ICONN SYSTEMS.

DESIGNED BY: X.XXXXX	DATE: XX-XX-XX
DESIGN APPROVED BY: X.XXXXX	DATE: XX-XX-XX
DRAFTED BY: A. HERNANDEZ	DATE: 01-17-23
CHECKED BY: E. FREEMON	DATE: 01-17-23

SIZE: B | DO NOT SCALE THIS DRAWING | DRAWING SCALE: 8:1

iCONN an R2M co. SYSTEMS, LLC
1110 N. GARFIELD ST. LOMBARD, IL 60148
TEL: (630) 827-6000 FAX: (630) 827-6006
ICONNSYSTEMS.COM

DRAWING TITLE: **i12 SALES OPTIONS**

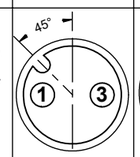
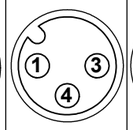
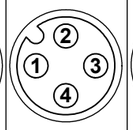
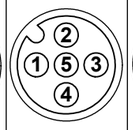
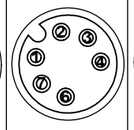
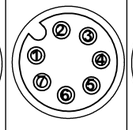
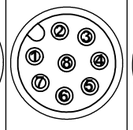
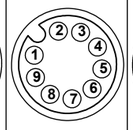
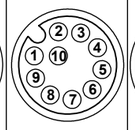
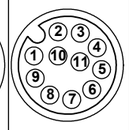
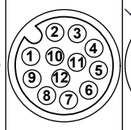
DRAWING NUMBER: **i12 TEMPLATE**

REV. **A**

DRAWING TYPE: SALES | SHEET: 1 OF 2

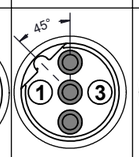
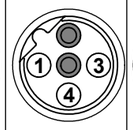
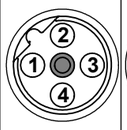
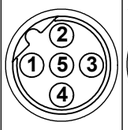
INSERT FACE VIEWS

A-CODE CONFIGURATIONS

# OF POLES	2 POLE	3 POLE	4 POLE	5 POLE	6 POLE	7 POLE	8 POLE	9 POLE	10 POLE	11 POLE	12 POLE
FEMALE FACE VIEW WITH KEYWAY (MALE IS REVERSE)											
WIRE SIZE	20 - 24 AWG	20 - 24 AWG	20 - 24 AWG	20 - 24 AWG	22 - 26 AWG	22 - 26 AWG	22 - 26 AWG	24 - 28 AWG	24 - 28 AWG	24 - 28 AWG	24 - 28 AWG
END A/B											
PIN/SOCKET											

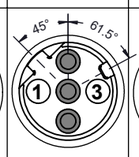
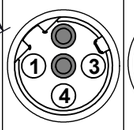
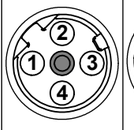
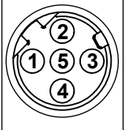
B-CODE CONFIGURATIONS

(GREYED OUT HOLES ARE PRESENT BUT BLIND)

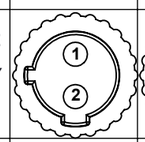
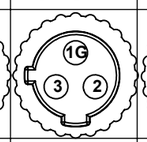
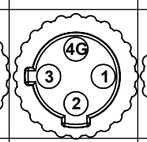
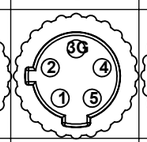
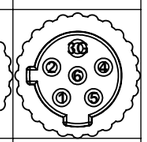
2 POLE	3 POLE	4 POLE	5 POLE
			
20 - 24 AWG	20 - 24 AWG	20 - 24 AWG	20 - 24 AWG

D-CODE CONFIGURATIONS

(GREYED OUT HOLES ARE PRESENT BUT BLIND)

2 POLE	3 POLE	4 POLE	5 POLE
			
20 - 24 AWG	20 - 24 AWG	20 - 24 AWG	20 - 24 AWG

C-CODE CONFIGURATIONS

# OF POLES	2 POLE	3 POLE	4 POLE	5 POLE	6 POLE
FEMALE FACE VIEW WITH KEYWAY (MALE IS REVERSE)					
WIRE SIZE	20 - 24 AWG	20 - 24 AWG	20 - 24 AWG	22 - 26 AWG	22 - 26 AWG
END A/B					
PIN/SOCKET					

CONNECTOR CHECKLIST:

PAGE 1

- END A STYLE SELECTION
- END B STYLE SELECTION
- LABEL
- STRIP/TIN/SLUG
- OTHER INTERCONNECT
- CABLE SPECIFICATIONS
- OVERMOLD MATERIAL / COLOR / UV

PAGE 2

- END A PINOUT
- END A GENDER
- END B PINOUT (IF APPLICABLE)
- END B GENDER (IF APPLICABLE)
- WIRING TABLE

WIRE COLOR CODE END "A"											
1	2	3	4	5	6	7	8	9	10	11	12

WIRE COLOR CODE END "B"											
1	2	3	4	5	6	7	8	9	10	11	12

WIRING TABLE LEGEND:
N/T = NOT TERMINATED, N/C = NO CONTACT, M/C = MOLDED CLOSED

ALL DIMENSIONS ARE SPECIFIED IN:
IN
[MM]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
ENGLISH
.XX = ±.02 IN
.XXX = ±.010 IN
METRIC
.X = ± .2 MM
.XX = ± .10 MM
FRACTIONAL = ±1/64"
ALL ANGLES = ±5°
THIRD ANGLE PROJECTION

CONFIDENTIALITY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION AND IS SUPPLIED BY iCONN SYSTEMS, LLC, THE OWNER OF SUCH INFORMATION. IN ACCEPTING THIS DRAWING, THE USER AGREES THAT IT IS FOR THE USER'S SOLE USE, THAT IT WILL NOT BE REPRODUCED OR DISTRIBUTED TO OTHERS, AND THAT THE INFORMATION CONTAINED THERIN WILL NOT BE USED IN ANY MANNER DETRIMENTAL TO iCONN SYSTEMS.

DESIGNED BY: X.XXXXX	DATE: XX-XX-XX	
DESIGN APPROVED BY: X.XXXXX	DATE: XX-XX-XX	
DRAFTED BY: A. HERNANDEZ	DATE: 01-17-23	
CHECKED BY: E. FREEMON	DATE: 01-17-23	
SIZE: B	DO NOT SCALE THIS DRAWING	DRAWING SCALE: 8:1

iCONN an R2M co. SYSTEMS, LLC
1110 N. GARFIELD ST. LOMBARD, IL 60148
TEL: (630) 827-6000 FAX: (630) 827-6006
ICONNSYSTEMS.COM

DRAWING TITLE: **i12 SALES OPTIONS**

DRAWING NUMBER: **I12 TEMPLATE**

REV. **A**

DRAWING TYPE: SALES

SHEET: 2 OF 2