

AMPHENOL PART NUMBER CONFIGURATION:

U65 - X XX - X X 6 XXX

INFINITY
RECEPTACLE

STYLE

- B = R/A SMT, 2 LOCATION
AND 4 SOLDERING POSTS
D = R/A SMT, 2 LOCATION
AND 2 7.0 mm DEEP SCREW MOUNT HOLES
AND 2 THRU SCREW MOUNT HOLES
E = R/A SMT, 2 LOCATION
AND 2 1.5 mm DEEP SCREW MOUNT HOLES
AND 2 THRU SCREW MOUNT HOLES

CONNECTOR TYPE

- 04 = 4X
12 = 12X

PLATING

- 1 = 50 μ " GOLD
2 = 30 μ " GOLD
3 = GOLD FLASH OVER
PALLADIUM-NICKEL (LEAD FREE)
4 = 50 μ " GOLD (RoHS COMPLIANT)
5 = 30 μ " GOLD (RoHS COMPLIANT)
B = 50 μ " GOLD (RoHS COMPLIANT)
C = 30 μ " GOLD (RoHS COMPLIANT)

OPTION

- 0 = 2 PIECE LOCKING PLATE (SHIPPED LOOSE)
1 = ONE PIECE LOCKING PLATE (SHIPPED LOOSE)
2 = NO LOCKING PLATE
3 = NO LOCKING PLATE AND NO GASKET
4 = NO LOCKING PLATE WITH SPECIAL EMI GASKET
(LANYARD ONLY)

1. MATERIAL:

PLASTIC HOUSING:

HIGH TEMPERATURE RESISTANT NYLON, FLAMMABILITY RATING UL94V-0.

CONTACTS:

PHOSPHOR BRONZE

PLATING OPTION 1 OR 2 (50 μ " OR 30 μ " GOLD): 50 μ " [1.27 μ m] OR 30 μ " [0.76 μ m] MIN. GOLD OVER 50 μ " [1.27 μ m] MIN. NICKEL ON CONTACT MATING SURFACES. 150 μ " [3.81 μ m] MIN. TIN-LEAD (90/10) OVER 50 μ " [1.27 μ m] NICKEL ON CONTACT TAILS.

PLATING OPTION 3 (GOLD FLASH OVER PALLADIUM-NICKEL): 2 μ " [0.05 μ m] MIN. GOLD OVER 25 μ " [0.635 μ m] MIN.

PALLADIUM-NICKEL ON CONTACT MATING SURFACES. 0.3 μ " [0.007 μ m] MIN. GOLD OVER 1.2 μ " [0.03 μ m] MIN.

PALLADIUM-NICKEL ON CONTACT TAILS. 50 μ " [1.27 μ m] MIN. NICKEL UNDER PLATING.

PLATING OPTION 4 OR 5 (RoHS) (50 μ " OR 30 μ " GOLD): 50 μ " [1.27 μ m] OR 30 μ " [0.76 μ m] MIN. GOLD OVER 50 μ " [1.27 μ m] MIN. NICKEL ON CONTACT MATING SURFACES. 2 μ " [0.05 μ m] MIN. GOLD OVER 50 μ " [1.27 μ m] MIN. NICKEL ON CONTACT TAILS.

PLATING OPTION B OR C (RoHS) (50 μ " OR 30 μ " GOLD): 50 μ " [1.27 μ m] OR 30 μ " [0.76 μ m] MIN. GOLD OVER 50 μ " [1.27 μ m] MIN. NICKEL ON CONTACT MATING SURFACES. 100-150 μ " [2.54-3.81 μ m] MATTE TIN OVER 50 μ " [1.27 μ m] MIN. NICKEL ON CONTACT TAILS.

METAL SHELL: DIE CASTING ALLOY

PLATING: 100 μ " [2.54 μ m] MIN. NICKEL OVER COPPER UNDER LAYER

GASKET: STAINLESS STEEL

LOCKING PLATE: STAINLESS STEEL

M2 SCREWS: STEEL WITH ZINC PLATING

2. TEMPERATURE RANGE: -40°C TO +85°C

REVISIONS

SYM	ZONE	ECN, ERN NO.	DATE	APPRD.
G		MODIFIED THREAD NOTE ON P3	JUL 27 '10	A.G
H		"D" CONFIGURATION ADDED ON P1	JAN 12 '11	A.G

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PACKAGING/SPECIAL

(NOTE: ALL "M" OPTIONS ARE FOR STYLE E

WITH .062" TO .093" THICK PCB'S ONLY)

NO DIGIT = TRAY PACKAGING NO REAR COVER

C = TRAY PACKAGING WITH REAR COVER (SHIPPED LOOSE)

M = TRAY PACKAGING, NO REAR COVER, M2 SCREWS INCLUDED (SHIPPED LOOSE)

CM = TRAY PACKAGING, W/ REAR COVER, M2 SCREWS INCLUDED (BOTH SHIPPED LOOSE)

T = TAPE & REEL PACKAGING NO REAR COVER

CT = TAPE & REEL PACKAGING W/ REAR COVER (SHIPPED LOOSE)

MT = TAPE & REEL PACKAGING, NO REAR COVER, M2 SCREWS INCLUDED (SHIPPED LOOSE)

CMT = TAPE & REEL PACKAGING, W/ REAR COVER, M2 SCREWS INCLUDED (BOTH SHIPPED LOOSE)

KEYING OPTION

0 = NO KEYING (STD)

1 = KEYING 1 & 6

2 = KEYING 2 & 6

3 = KEYING 3 & 5

4 = KEYING 4 & 5

MOUNTING STYLE

LANYARD LATCH, (4) SOLDER

POSTS OR (4) MOUNTING HOLES

DRAWN	M.LONG	DATE	2005/05/17
DESIGNED			
CHECKED	J.SI	DATE	2005/05/17
I. E. APPRD.			
Q. A. APPRD.			
DWG. APPRD.			
ENG. REL. NO.			
REF.			
DIMENSIONS ARE IN	CODE ID. NO.		
INCHES [mm]	03554		

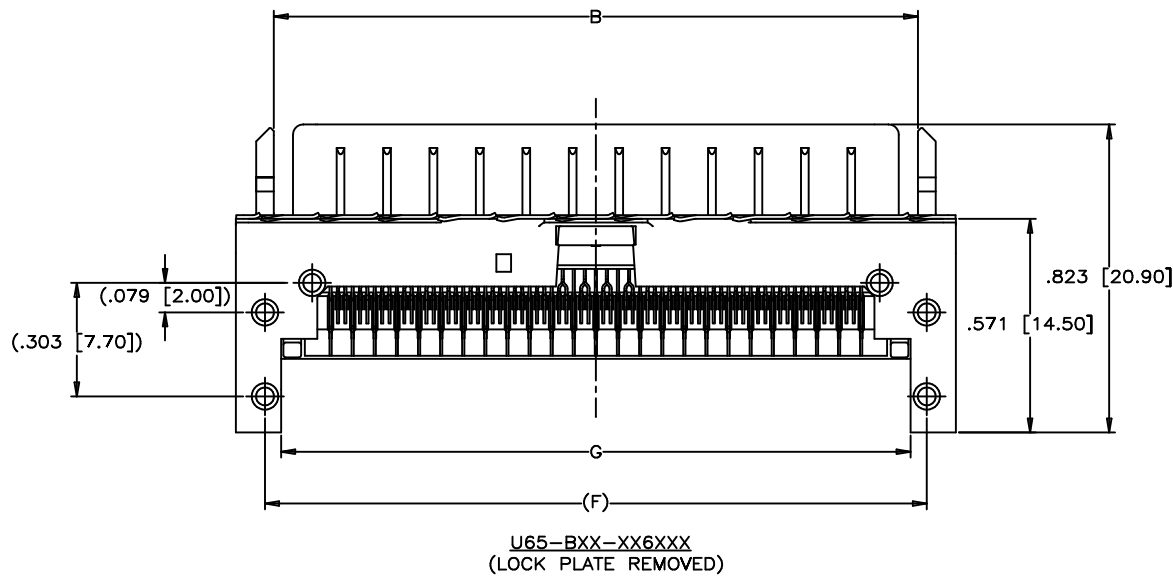
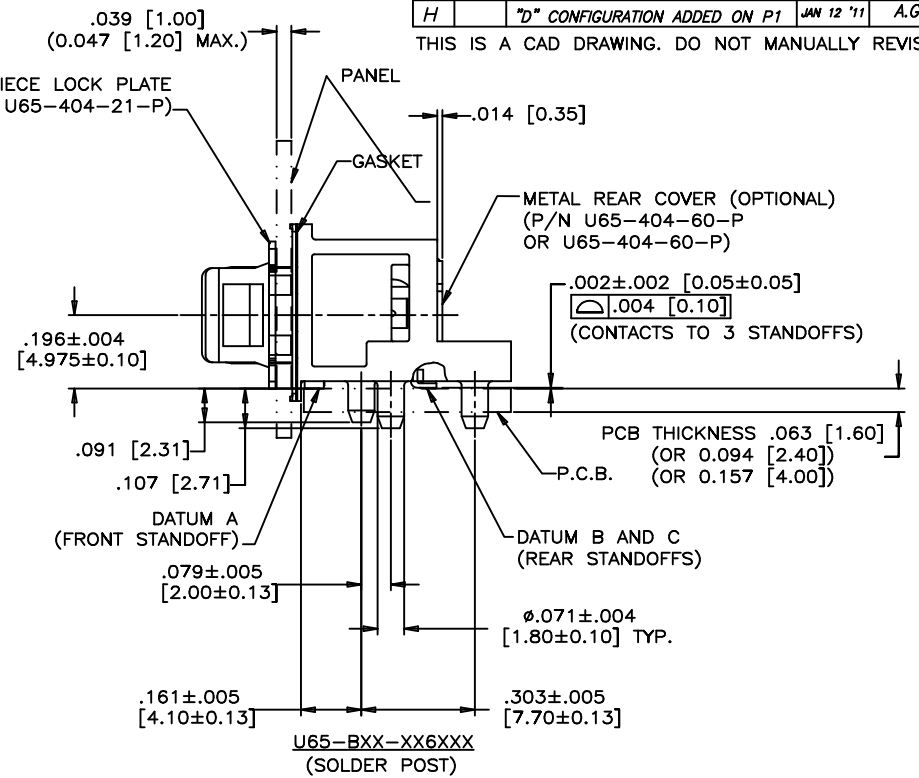
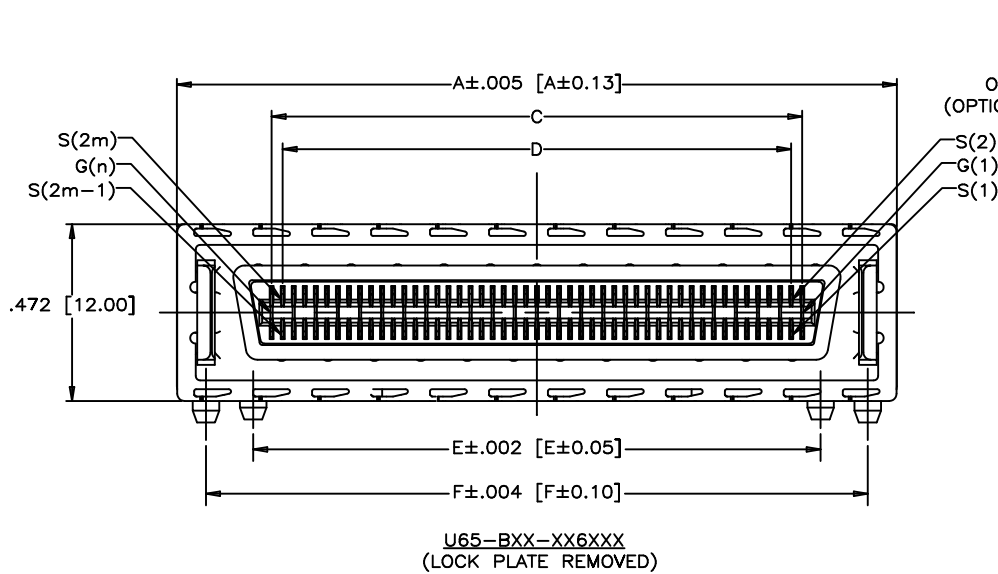
Amphenol Canada Corp.

TITLE INFINITY 4X/12X RECEPTACLE, LANYARD
STYLE, FIXED BOARD, RIGHT ANGLE SMT,
(4) SOLDER POSTS OR (4) MOUNTING HOLES

DWG	DRAWING NO.	REV.
A	P-U65-XXX-XX6XXX	H
SCALE	2/1	WT. -----
SURF.	-----	SHEET 1 OF 4

REVISIONS				
SYM	ZONE	ECN, ERN NO.	DATE	APPRD.
G		MODIFIED THREAD NOTE ON P3	JUL 27 '10	A.G
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DIMENSION TABLE:

PART NUMBER	U65-X04-XX6XXX	U65-X12-XX6XXX
A	.978 [24.85]	1.923 [48.85]
B	.776 [19.70]	1.720 [43.70]
C	.472 [12.00]	1.417 [36.00]
D	.413 [10.50]	1.358 [34.50]
E	.571 [14.50]	1.516 [38.50]
F	.823 [20.90]	1.768 [44.90]
G	.736 [18.70]	1.681 [42.70]
H	.894 [22.70]	1.839 [46.70]
K	.776 [19.70]	1.720 [43.70]
m	m = 1 - 8	m = 1 - 24
n	n = 1 - 9	n = 1 - 25
P	.207 [5.25]	.679 [17.25]
R	.089 [2.25]	.561 [14.25]
S	.148 [3.75]	.620 [15.75]

** REFER TO [mm] AS PRIMARY DIMENSIONS.

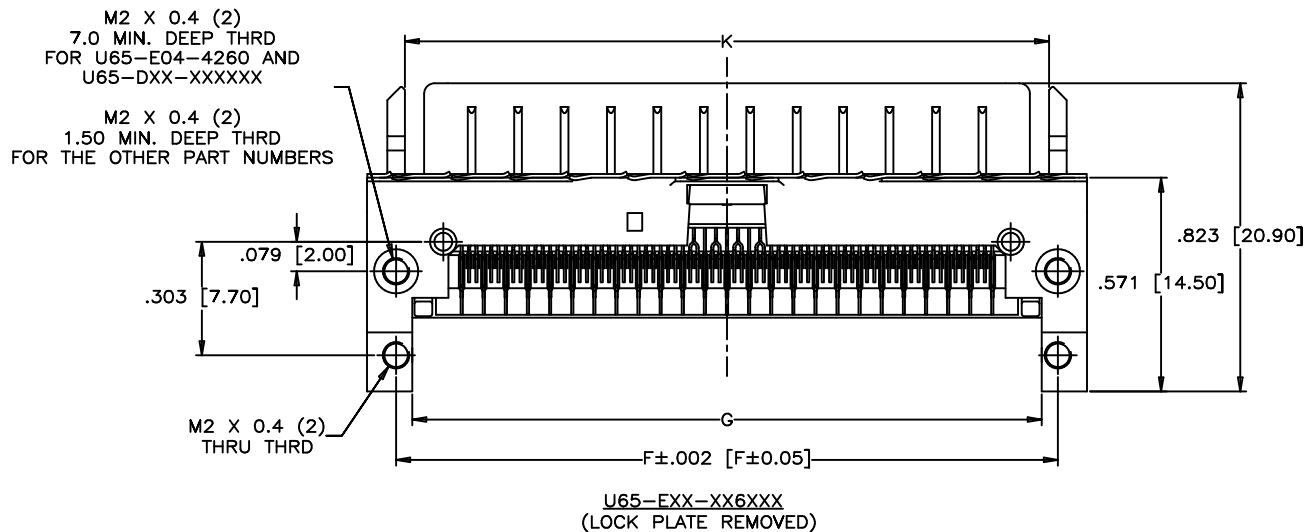
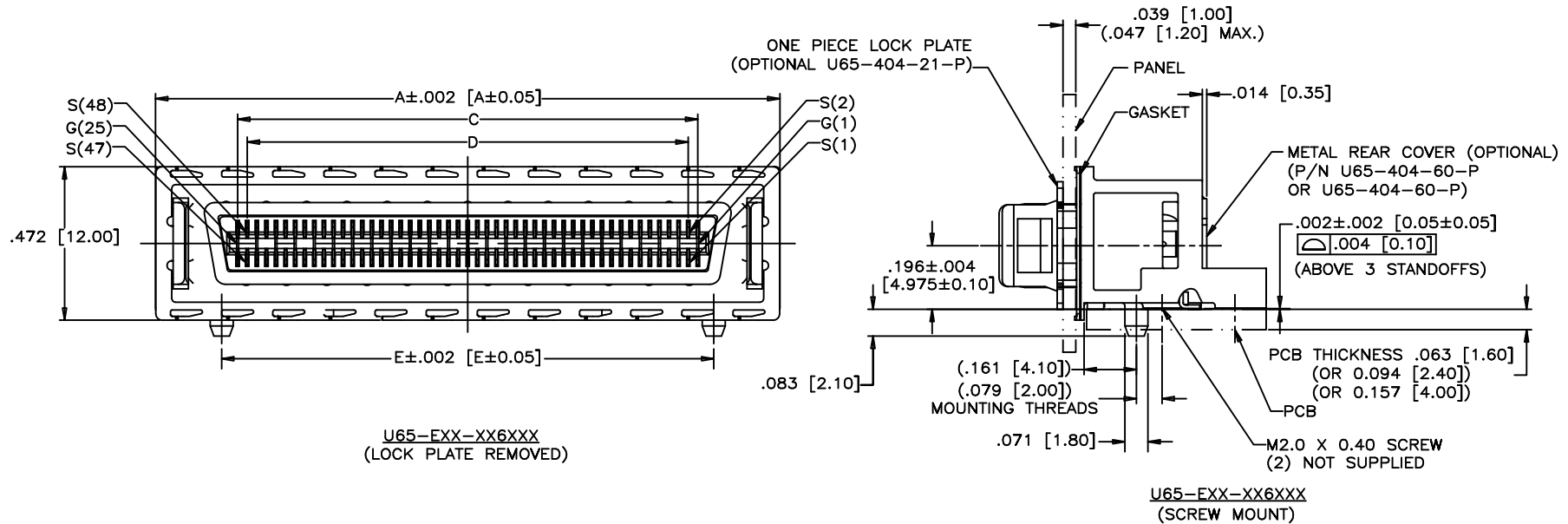
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DRAWN	M.LONG	DATE	2005/05/17	Amphenol Canada Corp.	
DESIGNED					
CHECKED	J.SI	DATE	2005/05/17	TITLE	
I. E. APPRD.					
Q. A. APPRD.				INFINITY 4X/12X RECEPTACLE, LANYARD STYLE, FIXED BOARD, RIGHT ANGLE SMT, (4) SOLDER POSTS OR (4) MOUNTING HOLES	
DWG. APPRD.					
ENG. REL. NO.				DWG	DRAWING NO.
REF.				A	P-U65-XXX-XX6XXX
DIMENSIONS ARE IN	CODE ID. NO.	SCALE	2/1	WT.	-----
INCHES [mm]	03554			SURF.	-----
					SHEET 2 OF 4

REV.
H

REVISIONS				
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DWG. APPRD.				TITLE INFINITY 4X/12X RECEPTACLE, LANYARD STYLE, FIXED BOARD, RIGHT ANGLE SMT, (4) SOLDER POSTS OR (4) MOUNTING HOLES	
ENG. REL. NO.					
REF.				DWG	REV.
DIMENSIONS ARE IN INCHES [mm]	CODE ID. NO.	03554	SCALE	2/1	WT. ----- SURF. ----- SHEET 3 OF 4

