

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

THIS IS A CAD DRAWING. DO NOT MANUALLY REVISE.

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		

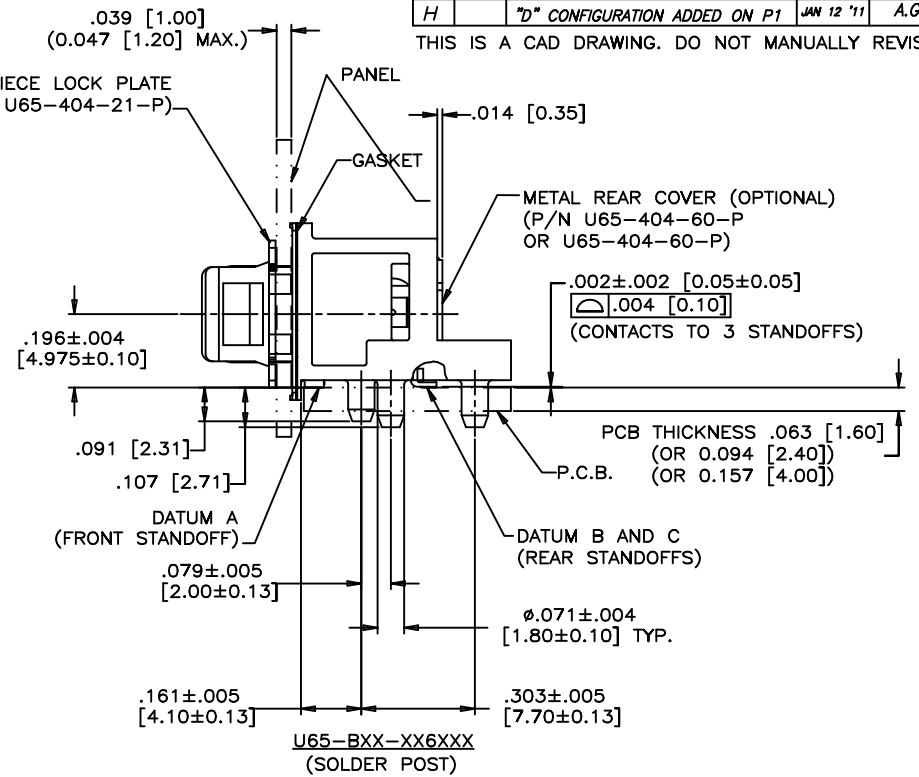
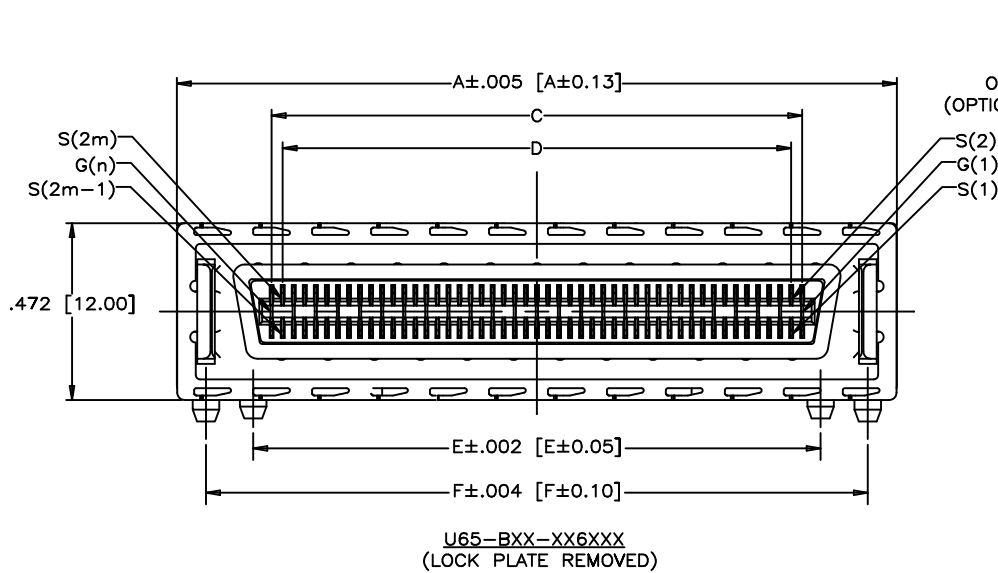
Amphenol Canada Corp.

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

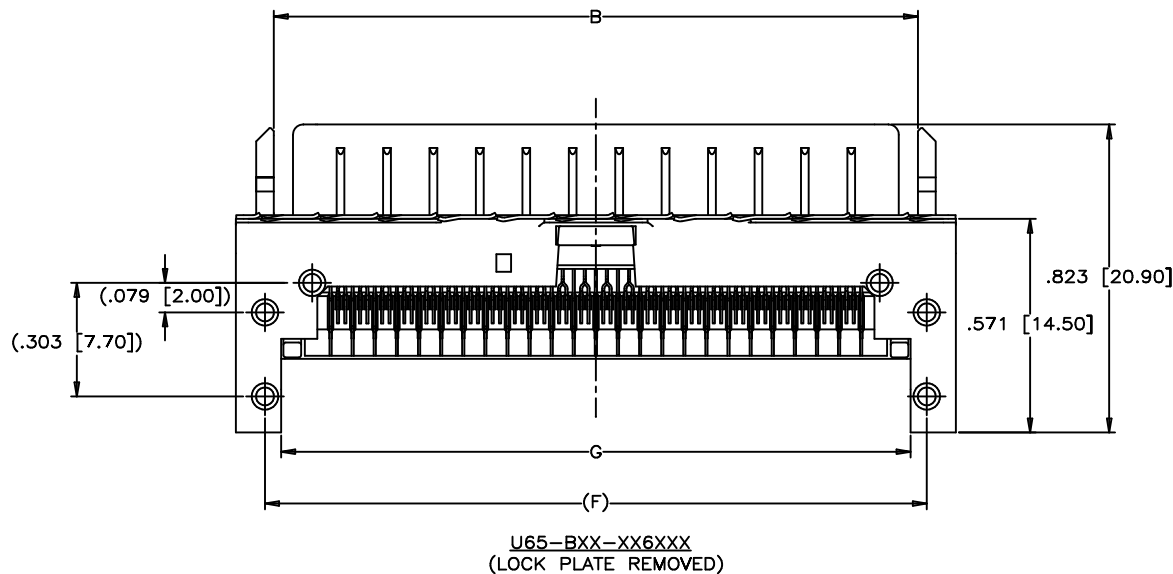
REVISIONS				
SYM	ZONE	ECN, ERN NO.	DATE	APPRD.
G		MODIFIED THREAD NOTE ON P3	JUL 27 '10	A.G
H		"D" CONFIGURATION ADDED ON P1	JAN 12 '11	A.G

THIS IS A CAD DRAWING. DO NOT MANUALLY REVISE.



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.

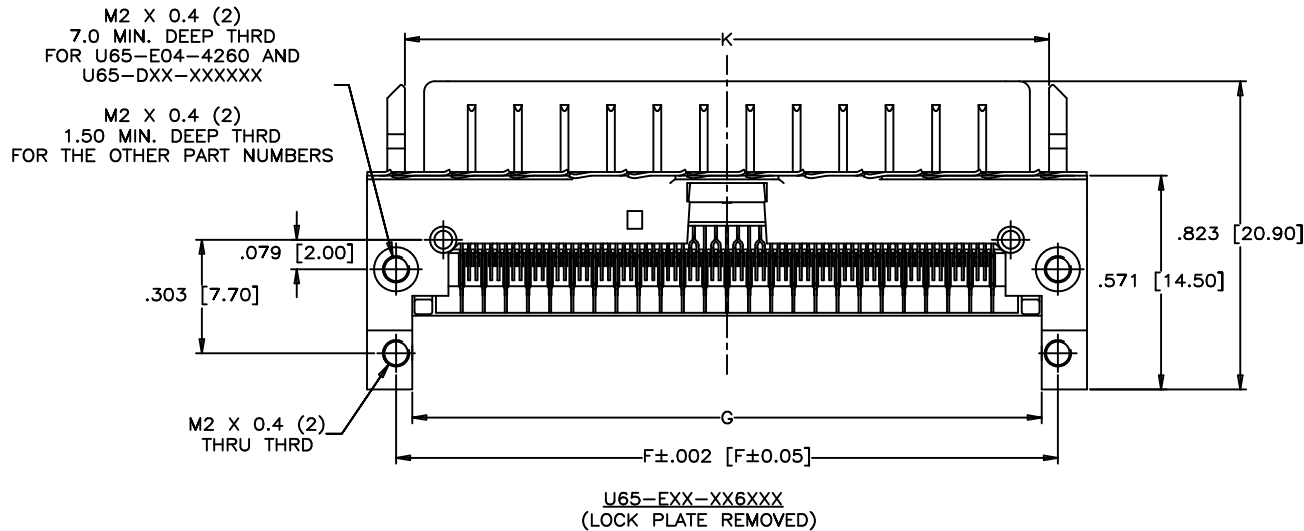
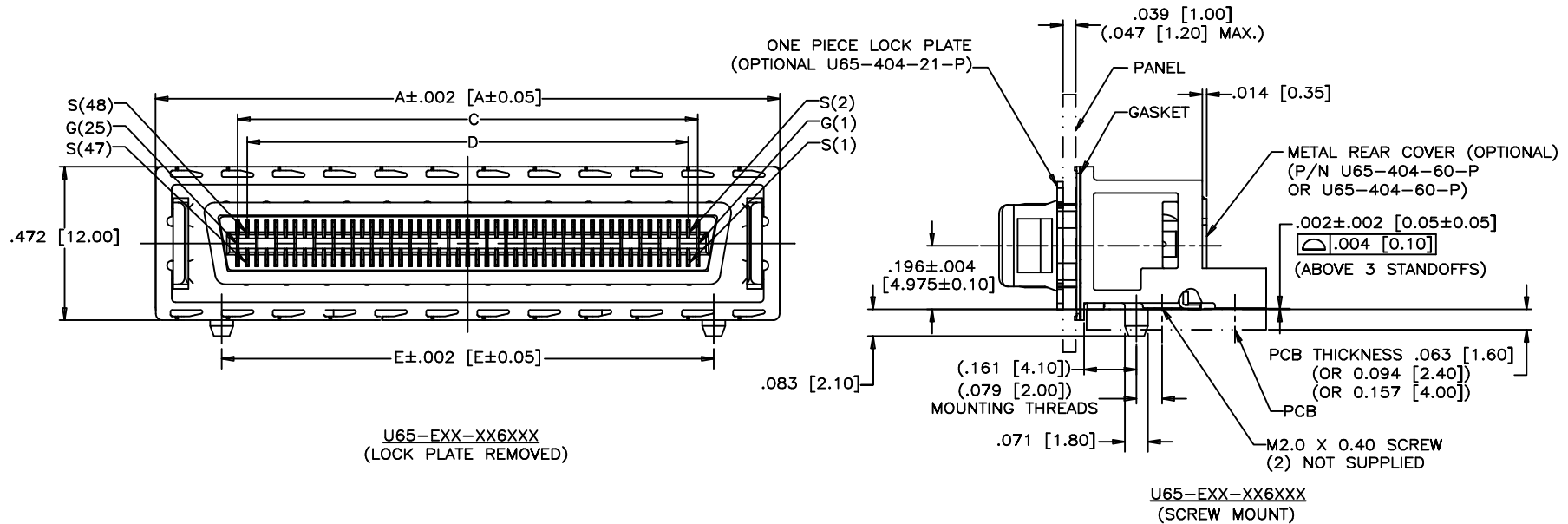
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM AMPHENOL CANADA CORP.

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				
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

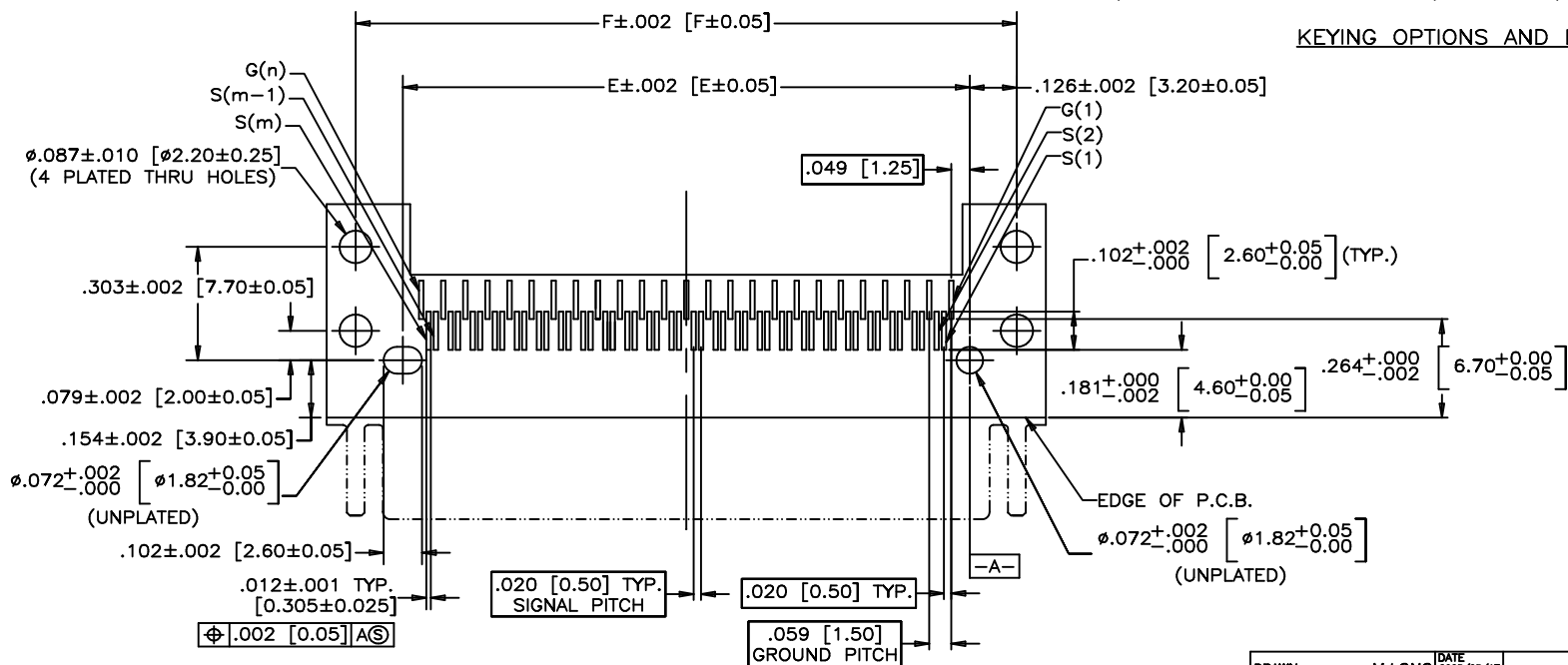
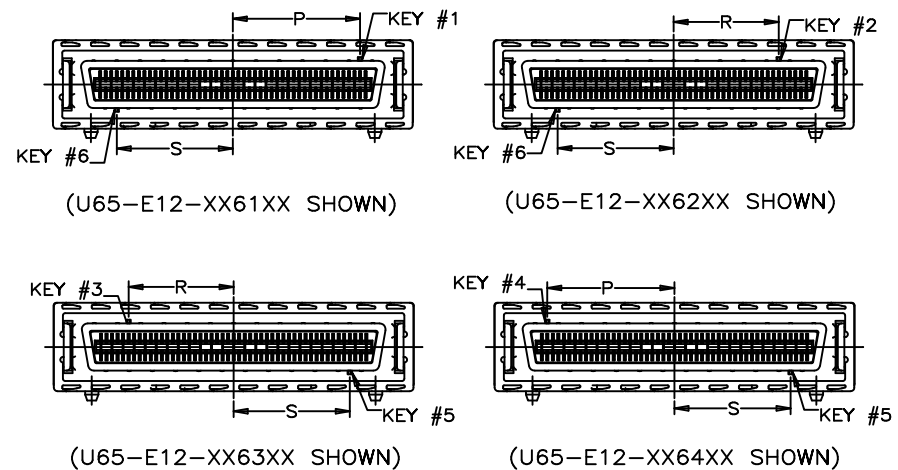
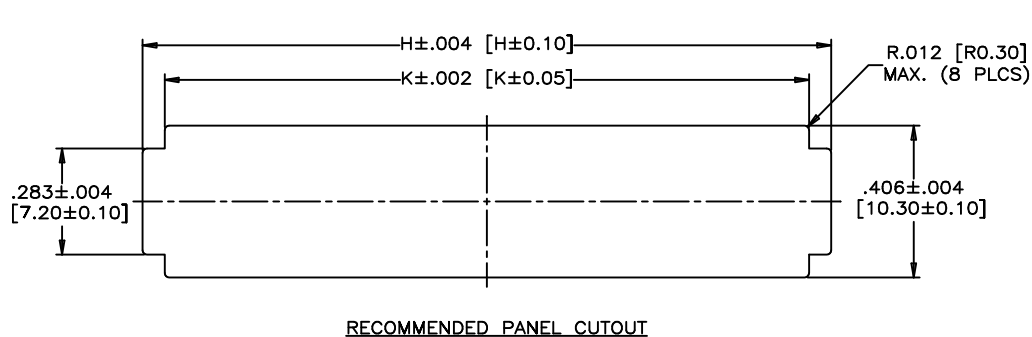
THIS IS A CAD DRAWING. DO NOT MANUALLY REVISE.



DRAWN	M.LONG	DATE	2005/05/17	Amphenol Canada Corp.	
DESIGNED					
CHECKED	J.SI	2005/05/17			
I. E. APPRD.					
Q. A. APPRD.					
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

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION
MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING
PURPOSES WITHOUT WRITTEN PERMISSION FROM AMPHENOL CANADA CORP.

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



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

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION
MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING
PURPOSES WITHOUT WRITTEN PERMISSION FROM AMPHENOL CANADA CORP.