# REVISION C

DO NOT SCALE FROM THIS PRINT

## SEAFC-XX-X.X-X-XX-X-X-K-XR

**No OF POSITIONS**
-20, -30, -40, -50
(PER ROW)

**LEAD STYLE**
-5.0: .199[5.05] HEIGHT
* -6.0: .238[6.05] HEIGHT
-6.5: .258[6.55] HEIGHT
* -7.5: .297[7.54] HEIGHT
(SEE TABLE 1)

**PLATING SPECIFICATION**
-S: SELECTIVE GOLD (30µ") IN CONTACT AREA, MATTE TIN ON TAIL
-L: LIGHT GOLD (10µ") IN CONTACT AREA, MATTE TIN ON TAIL

**ROWS**
-04: 4 ROWS (SEE SHT 2, FIG 2)
-06: 6 ROWS
-08: 8 ROWS (SEE FIG 1)
-10: 10 ROWS

**PACKAGING** (SEE NOTES 3, 4 & 7)
-TR: TAPE & REEL
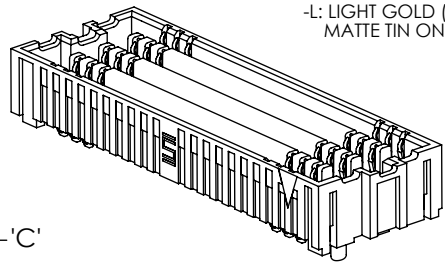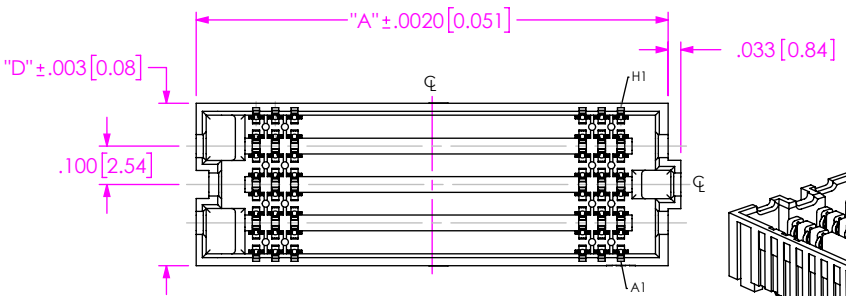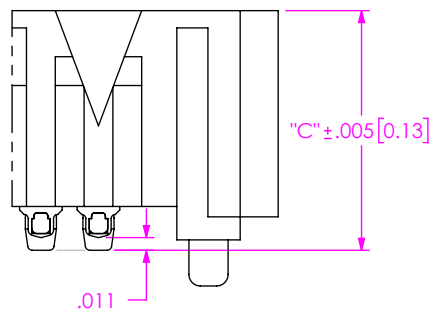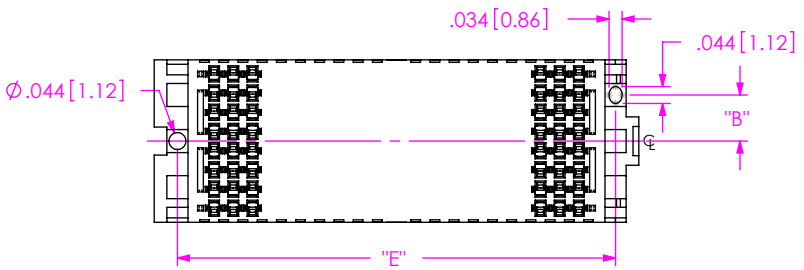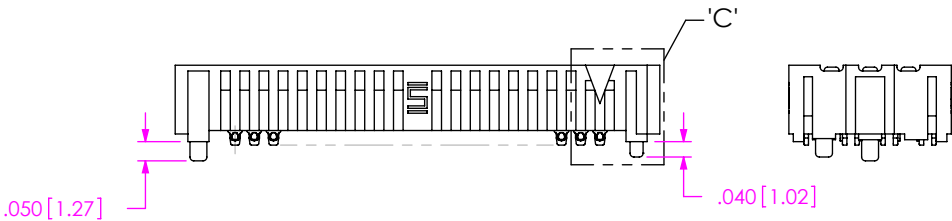-FR: FULL REEL QTY. TAPE & REEL

**K-DOT**
(SEE FIG 3, SHT 2)

**OPTION**
-N: NO LATCH
** (LEAVE BLANK FOR LATCH POST)
(SEE SHT 3, FIG 4 )
(ONLY AVAILABLE WITH -5.0
LEAD STYLE, -04, -06, -08 & -10 ROW)
-PP: POLARIZATION PIN
(SEE SHT 3, FIG 5)
(ONLY AVAILABLE WITH -05.0
LEAD STYLE, 6, 8 & 10 ROWS)

**SOLDER COMPOSITION & STYLE**
-1: 63% TIN / 37% LEAD
**CHARGE TAIL**
-2: 95.5% TIN/3.8% SILVER/.7% COPPER **CHARGE TAIL**

* = NOT TOOLED
** = ONLY AVAILABLE WITH -5.0 LEAD STYLE, -04, -06, -08 & -10 ROW.

"A"±.0020[0.051]
.033[0.84]
"D"±.003[0.08]
.100[2.54]
H1
A1

.050[1.27]
'C'
.040[1.02]

Ø.044[1.12]
.034[0.86]
.044[1.12]
"B"
"E"

## FIG 1
-08: 8 ROW
(SEAFC-20-5.0-X-08-1-N-K-XR SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

### TABLE 2

| No OF ROWS | "B" | "D" |
|---|---|---|
| -04 | .079 [2.01] | .223 [5.66] |
| -06 | .120 [3.05] | .323 [8.20] |
| -08 | .120 [3.05] | .423 [10.74] |
| -10 | .120 [3.05] | .523 [13.28] |

### TABLE 1

| No. OF ROWS | LEAD STYLE | "C" |
|---|---|---|
| -04 | -5.0 | .213 [5.41] |
| | -6.0 | .252 [6.40] |
| | -6.5 | .272 [6.91] |
| | -7.5 | .311 [7.90] |
| -06, -08, -10 | -5.0 | .208 [5.28] |
| | -6.0 | .247 [6.27] |
| | -6.5 | .267 [6.78] |
| | -7.5 | .306 [7.77] |

"C"±.005[0.13]
.011

## DETAIL 'C'
## SCALE 6 : 1

### TABLE 3

| No OF POS. | "A" | "E" |
|---|---|---|
| -20 | 1.229 [31.22] | 1.1410 [28.981] |
| -30 | 1.729 [43.92] | 1.6410 [41.681] |
| -40 | 2.229 [56.62] | 2.1410 [54.381] |
| -50 | 2.729 [69.32] | 2.6410 [67.081] |

## NOTES:

1. NOTE DELETED.
2. A-PINS PROVIDED AS STANDARD.
3. TAPE & REEL IS STANDARD PACKAGING.
4. ATTACH LABEL -4x2 TO EACH REEL.
5. SOLDER CHARGE VOLUME .00000891 CUBIC INCHES (REF).
6. NON-FUNCTIONAL VOIDING IN PLASTIC BODY TO BE AT SAMTEC'S DISCRETION.
7. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM
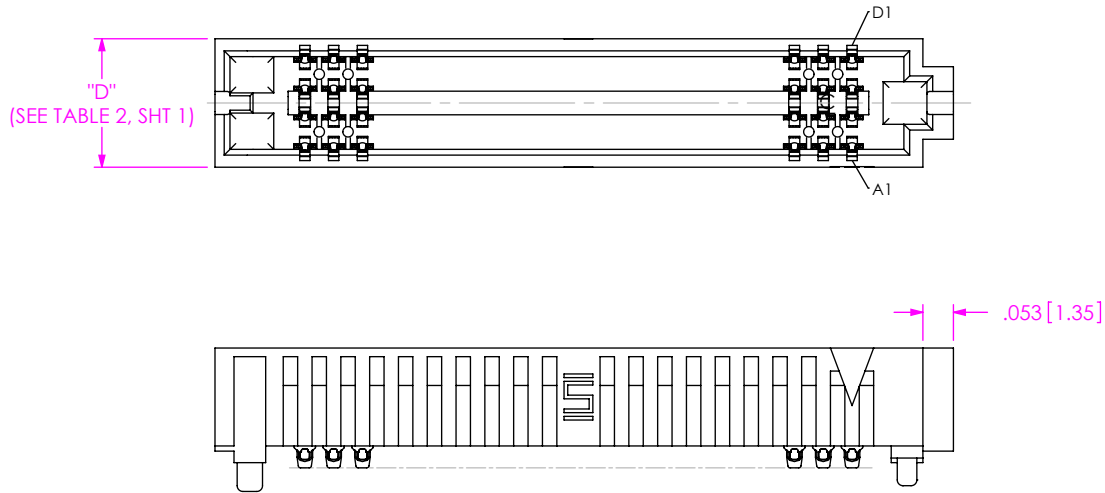
### SAMTEC

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733    FAX: 812-948-5047
e-Mail info@SAMTEC.com    code 55322

DO NOT SCALE DRAWING
SHEET SCALE: 2:1
MATERIAL:
INSULATOR: LCP, COLOR: BLACK
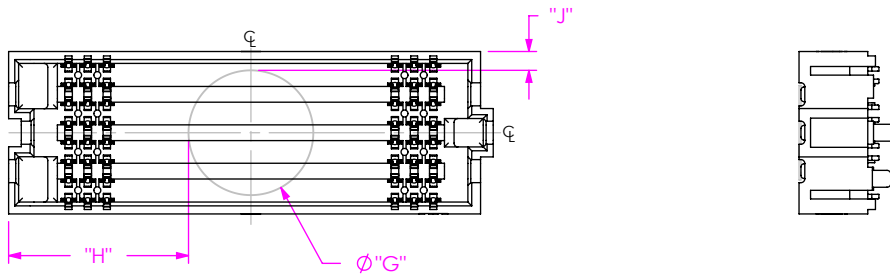CONTACT OR TERMINAL:
SHIELD: PHOS BRONZE

DESCRIPTION:
.050 PITCH SOCKET ARRAY ASSEMBLY

DWG. NO.
SEAFC-XX-X.X-X-XX-X-X-K-XR

BY: JERRY SU    04/12/2019    SHEET 1 OF 3

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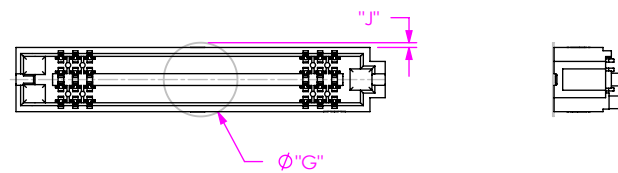
D1

"D"
(SEE TABLE 2, SHT 1)

A1

.053 [1.35]

FIG 2
-04: 4 ROW
(SEAFC-20-5.0-X-04-1-N-K-XR SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

| ROWS | "G" | "H" | | | | "J" | |
|---|---|---|---|---|---|---|---|
| | | 20 POS | 30 POS | 40 POS | 50 POS | | |
| -04 | .256 [6.50] | .504 [12.79] | .754 [19.14] | 1.004 [25.49] | 1.254 [31.84] | .017 | [.43] |
| -06 | .256 [6.50] | .504 [12.79] | .754 [19.14] | 1.004 [25.49] | 1.254 [31.84] | .034 | [.86] |
| -08 | .325 [8.25] | .469 [11.92] | .719 [18.27] | .969 [24.62] | 1.219 [30.97] | .049 | [1.24] |
| -10 | .404 [10.25] | .430 [10.92] | .680 [17.27] | .930 [23.62] | 1.180 [29.97] | .060 | [1.52] |

TABLE 4

"J"

Ø"G"

-04 ROW ONLY
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 3)

"J"

"H"

Ø"G"

FIG 3
K-DOT
(SEAFC-20-5.0-X-08-1-N-K-XR SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

DO NOT SCALE DRAWING
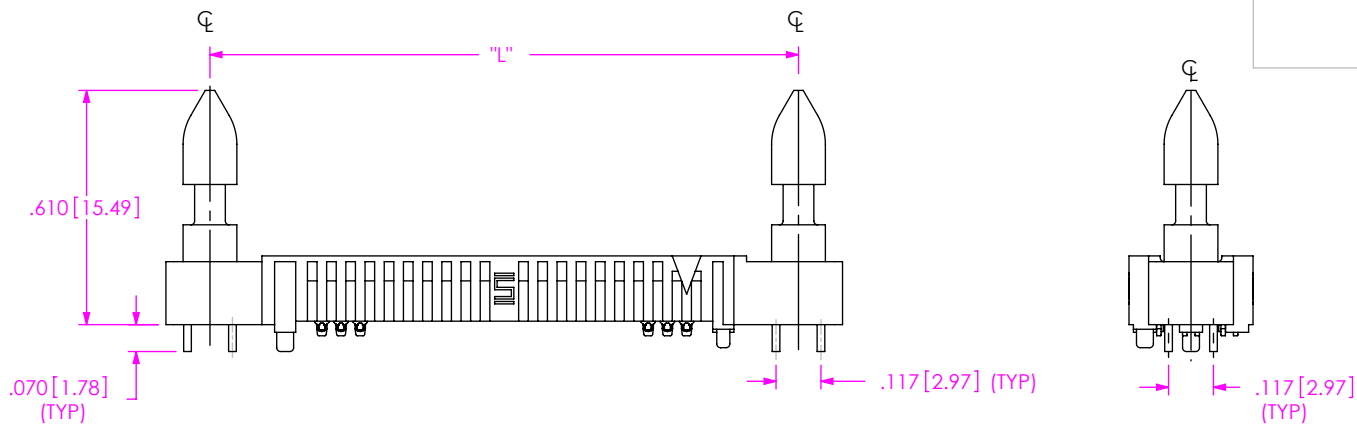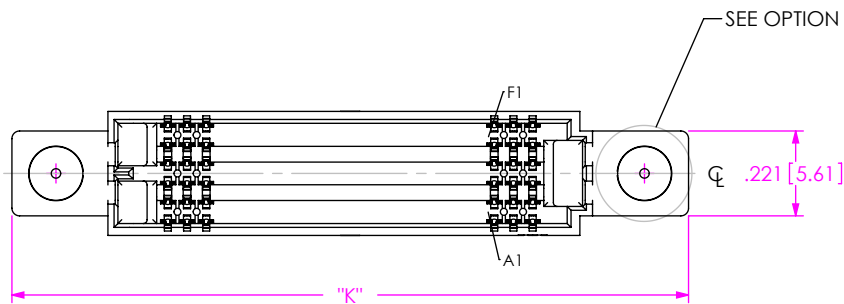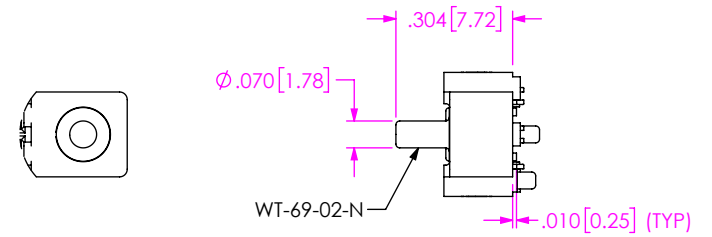
SHEET SCALE: 2:1

DESCRIPTION:
.050 PITCH SOCKET ARRAY ASSEMBLY

DWG. NO.
SEAFC-XX-X.X-X-XX-X-X-K-XR

BY:  JERRY SU    04/12/2019    SHEET 2 OF 3

F:\DWG\MISC\MKTG\SEAFC-XX-X.X-X-XX-X-X-K-XR-MKT.SLDDRW

REVISION C

SEE OPTION

F1

A1

"K"

⌀ .221 [5.61]

.304 [7.72]

Ø .070 [1.78]

WT-69-02-N

.010 [0.25] (TYP)

FIG 5
-PP OPTION
(SEAFC-20-05.0-XX-06-1-A-PP-K-TR SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)
(SAME AS FIG 5 EXCEPT AS SHOWN )
(-PP OPTION VALID FOR SEAR MATE ONLY)
(ONLY AVAILABLE WITH -05.0 LEAD STYLE 6, 8 & 10 ROW)

"L"

.610 [15.49]

.070 [1.78]
(TYP)

.117 [2.97] (TYP)

.117 [2.97]
(TYP)

FIG 4
LATCH POST OPTION
(SEAFC-20-5.0-X-06-1-K-XR SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(LATCH POST OPTION REQUIRED FOR SEAC MATE ONLY)
(ONLY AVAILABLE WITH -5.0 LEAD STYLE -04, -06, -08 & -10 ROW)

| TABLE 5 | | |
|---|---|---|
| No OF POS. | "K" | "L" |
| -20 | 1.762 [44.75] | 1.533 [38.94] |
| -30 | 2.262 [57.45] | 2.033 [51.64] |
| -40 | 2.762 [70.15] | 2.533 [64.34] |
| -50 | 3.262 [82.85] | 3.033 [77.04] |

DO NOT SCALE DRAWING

SHEET SCALE: 3:1

DESCRIPTION:
.050 PITCH SOCKET ARRAY ASSEMBLY

DWG. NO.
SEAFC-XX-X.X-X-XX-X-X-K-XR

BY:  JERRY SU    04/12/2019    SHEET 3 OF 3

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