



Shenzhen Shentai Weifang Electronics Co., Ltd.

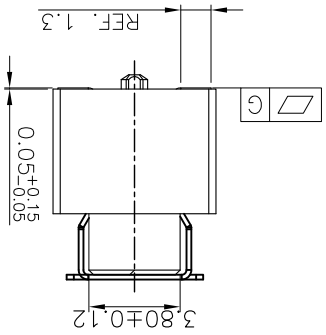
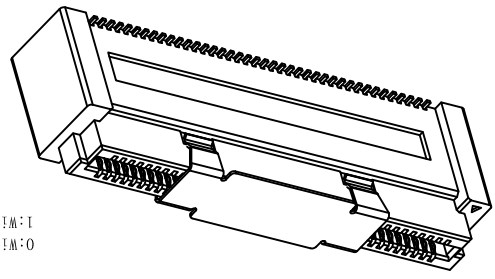
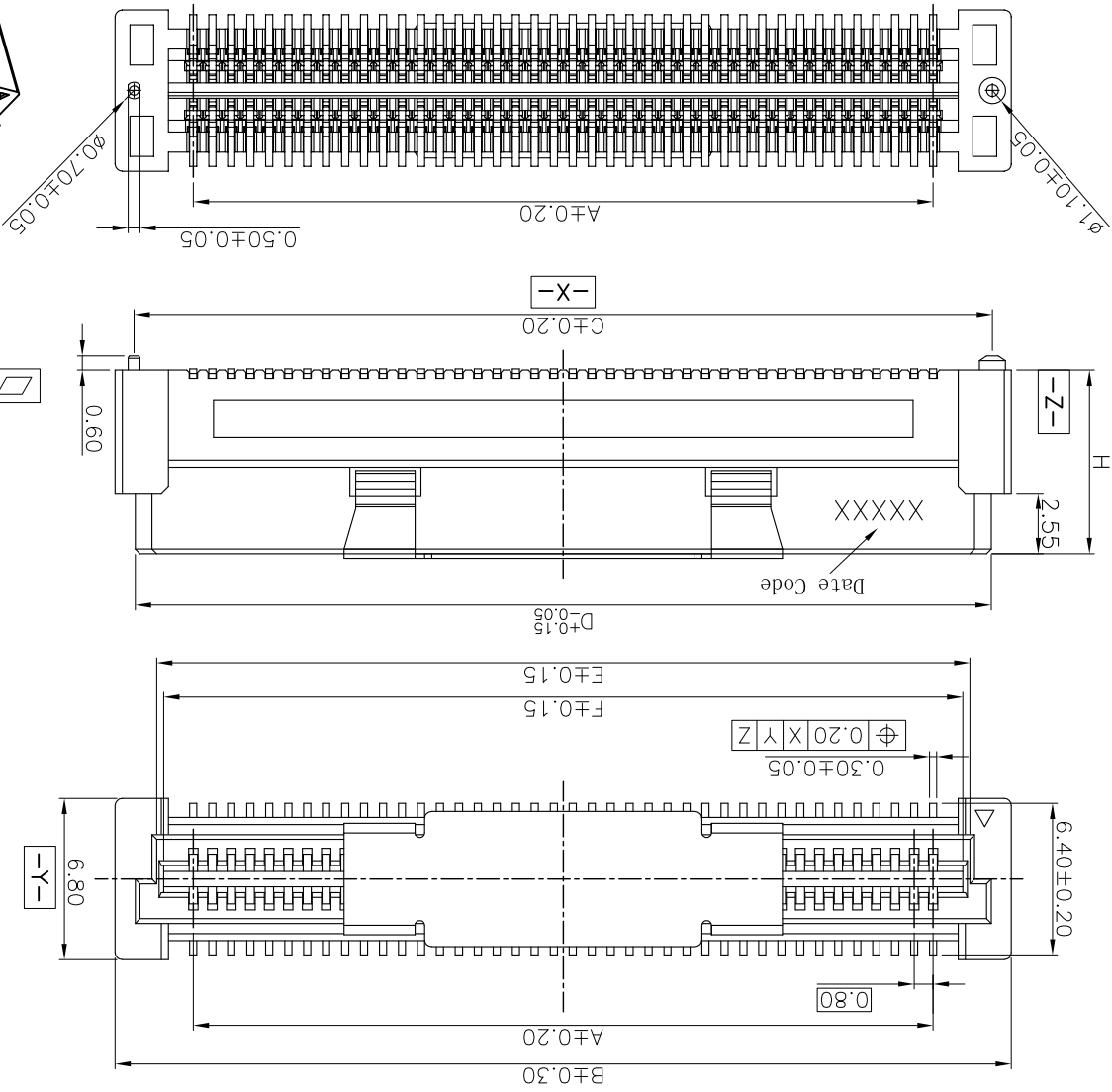
| | | | |
|--------------------------------------|-----|-------|-----|
| X.XXX | ±1° | X.XX° | ±1° |
| X.XX | ±2° | X.X° | ±2° |
| X.X | ±3° | X.° | ±3° |
| TOLERANCE UNLESS OTHERWISE SPECIFIED | | | |

| | |
|-------|-----|
| SCALE | 1:1 |
| UNIT | mm |
| SIZE | A4 |

| | | | |
|-----------------|-------------|--------|------------|
| DATE | 2018.03.26 | DATE | 2018.03.26 |
| DATE | 2018.03.26 | DATE | 2018.03.26 |
| DATE | 2018.03.26 | DATE | 2018.03.26 |
| APPROVE: | Ady Zhou | CHECK: | Xie Yong |
| ORIGINAL DRAWN: | Xu Peiguang | | |

| | |
|--------------------------|-----------------------|
| DWG. NO. | 600-0000-0223 |
| PARTS NO. (INTENDED USE) | BA42-XXXT-XX-XHX |
| TITLE | BA42 CUSTOMER DRAWING |

| | |
|-------|-----|
| REV. | 2 |
| SHEET | 1/3 |



Notes and specifications for the connector:

- Notes: (UNLESS OTHERWISE SPECIFIED) 1. DIMENSION SHALL BE INTERPRETED PER ANSI Y14.5M-1994.
- 2. MATERIAL: HOUSING MATERIAL: HIGH TEMPERATURE PLASTICS. CONTACT MATERIAL: COPPER ALLOY, VACUUM COVER MATERIAL: STAINLESS STEEL.
- 3. ELECTRICAL SPECIFICATION: CONTACT RESISTANCE: 50 m ohms Max(initial). INSULATION RESISTANCE: 100M ohms Min. CURRENT RATING: 0.5A. DIELECTRIC WITHSTANDING VOLTAGE: 500V AC rms./minute.
- 4. MECHANICAL SPECIFICATION: DURABILITY: 30 CYCLES. INSERTION FORCE: 150gf Max. PER PIN. WITHDRAWAL FORCE: 25gf Min. PER PIN.
- 5. PRODUCT NUMBER MATRIX: B A 4 2-XX X T-X X -X H X

Series code: BTB

Receptacle: REEL+MPAD

0.80 Pitch

PN No. 40:80;40:80PIN

Height: B: H=7.75mm; C: H=11.75mm

Soldering Type: T: SMT

0: Without Chamfer

1: With Chamfer

Housing Color: Null; Nature

B: Black

| | |
|--------------------------|----------------------|
| Code | Definition |
| A | Matte Tin plated |
| V | Bright Tin plated |
| Gold plated over all | |
| C | Flash B 1u" R 3u" C |
| F | 5u" D 10u" E 15u" F |
| J | 20u" G 25u" H 30u" J |
| Duplex plated | |
| L | Flash K 1u" S 3u" L |
| P | 5u" M 10u" N 15u" P |
| U | 20u" Q 25u" T 30u" U |
| All plated is lead free. | |

| | | | | | |
|------|-------------|-----------|---|-----------------|----------------|
| REV. | ECN Number | E17070069 | I | ADD PART NUMBER | XPG_2018_03_26 |
| | Description | RELEASE | | | |
| | Drawn | | | | |



Shenzhen Shentai Weifang Electronics Co., Ltd.

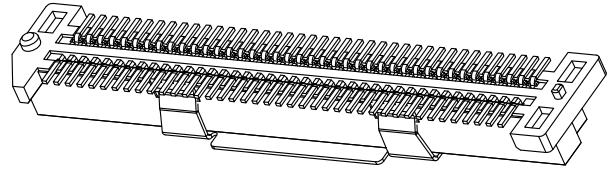
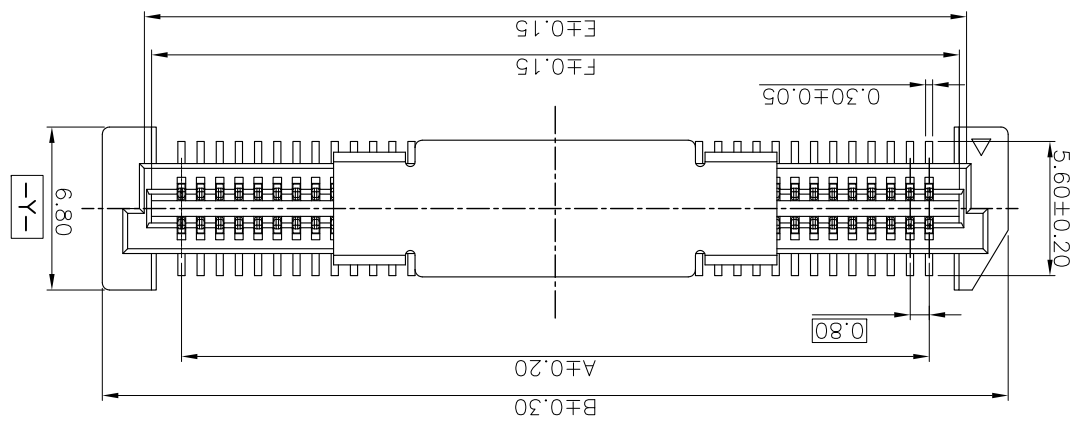
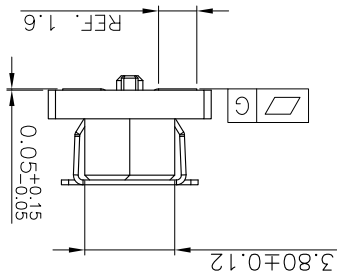
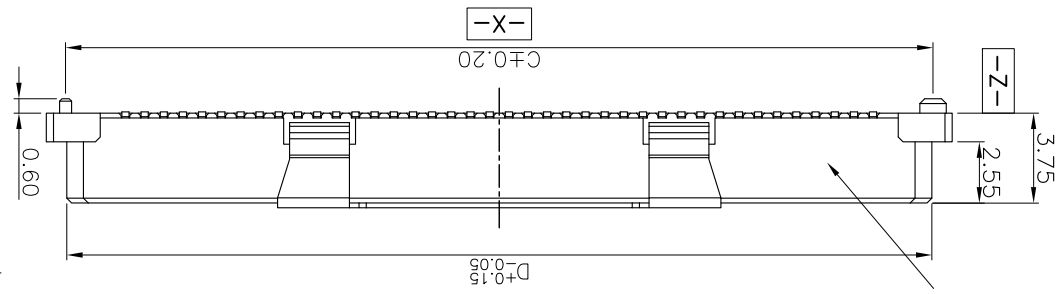
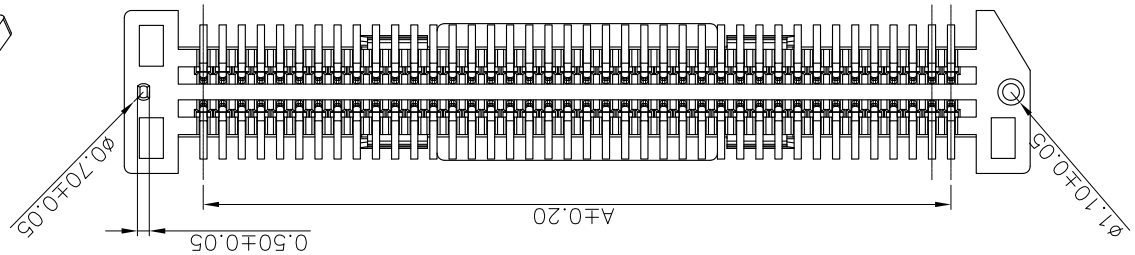
| | | | |
|--------------------------------------|-----|-------|-----|
| X.XXX | ±1° | X.XX° | ±1° |
| X.XX | ±2° | X.X° | ±2° |
| X.X | ±3° | X° | ±3° |
| TOLERANCE UNLESS OTHERWISE SPECIFIED | | | |

| | |
|-------|-----|
| SCALE | 1:1 |
| UNIT | mm |
| SIZE | A4 |

| | | | |
|------|------------|------|------------|
| DATE | 2018.03.26 | DATE | 2018.03.26 |
| DATE | 2018.03.26 | DATE | 2018.03.26 |
| DATE | 2018.03.26 | DATE | 2018.03.26 |
| DATE | 2018.03.26 | DATE | 2018.03.26 |

| | | | |
|----------|-------------|----------|------------|
| APPROVE: | Ady Zhou | APPROVE: | Xie Yong |
| CHECK: | Xu Peiguang | CHECK: | Xie Yong |
| DATE | 2018.03.26 | DATE | 2018.03.26 |
| DATE | 2018.03.26 | DATE | 2018.03.26 |

| | | | |
|-------|-----|--------------------------|------------------|
| REV. | 2 | TITLE | 600-0000-0223 |
| SHEET | 2/3 | DWG. NO. | BA42-XXXT-XX-XHX |
| | | PARTS NO. (INTENDED USE) | BA42-XXXT-XX-XHX |
| | | CUSTOMER DRAWING | BA42 |



| Definition | Code |
|---------------------------|---------------|
| Matte Tin plated | A |
| Bright Tin plated | V |
| Gold plated over all | |
| Flash B | 1u" R 3u" C |
| Flash D | 10u" E 15u" F |
| Flash G | 25u" H 30u" J |
| Flash K | 1u" S 3u" L |
| Flash M | 10u" N 15u" P |
| Flash Q | 25u" T 30u" U |
| ©All plated is lead free. | |

BTB
 Series code
 0.80 Pitch
 Receptacle
 PIN No.
 40:80;40:80PIN
 A0:100PIN ; 60:160PIN
 C0:120PIN ; 10:180PIN
 E0:140PIN ; K0:200PIN
 Height
 A: H=3.75mm
 Soldering Type
 T: SMT
 0: Without Chamfer
 1: With Chamfer
 Housing Color
 Null: Nature
 B: Black

Packing:
 B: REEL+MPAD
 Q: HOT SEALING
 REEL+MPAD
 H: Halogen free
 Plating

NOTES: (UNLESS OTHERWISE SPECIFIED)
 1. DIMENSION SHALL BE INTERPRETED PER ANSI Y14.5M-1994.
 2. MATERIAL:
 HOUSING MATERIAL: HIGH TEMPERATURE PLASTICS.
 CONTACT MATERIAL: COPPER ALLOY,
 VACUUM COVER MATERIAL: STAINLESS STEEL.
 3. ELECTRICAL SPECIFICATION:
 CONTACT RESISTANCE: 50 m ohms Max(initial),
 INSULATION RESISTANCE: 100M ohms Min.
 CURRENT RATING: 0.5A.
 DIELECTRIC WITHSTANDING VOLTAGE: 500V AC rms/minute
 DURABILITY: 30 CYCLES.
 4. MECHANICAL SPECIFICATION:
 INSERTION FORCE: 150gf Max. PER PIN.
 WITHDRAWAL FORCE: 25gf Min. PER PIN.
 5. PRODUCT NUMBER MATRIX:
 B A 4 2-XX X T-X X -X H X

Not enough space to print date code



Shenzhen Shentai Weifang Electronics Co., Ltd.

TOLERANCE UNLESS OTHERWISE SPECIFIED

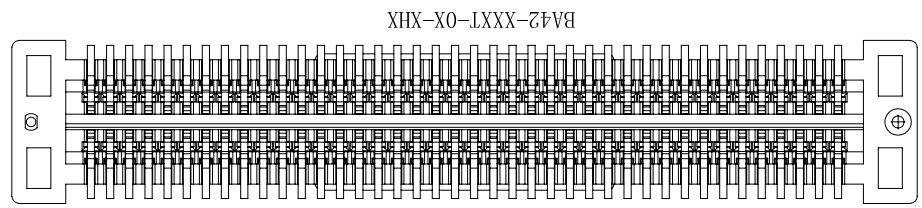
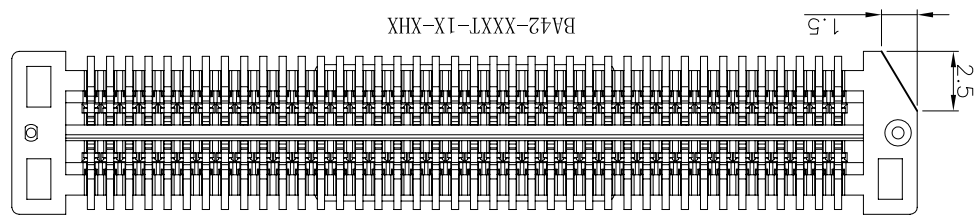
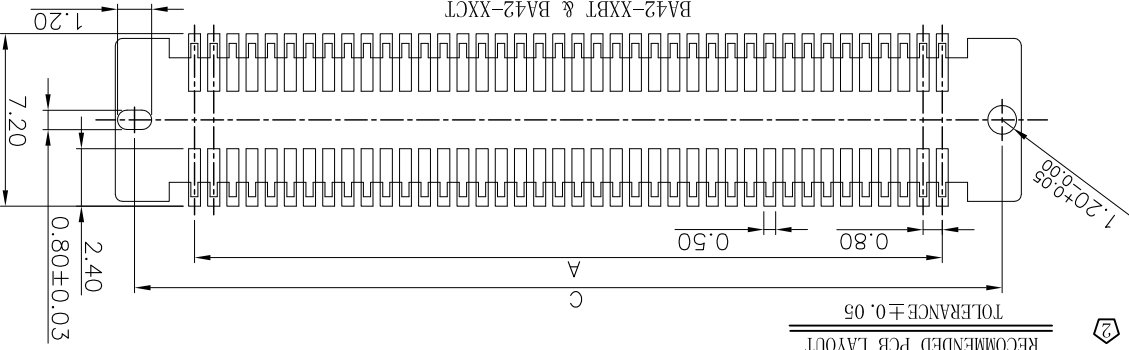
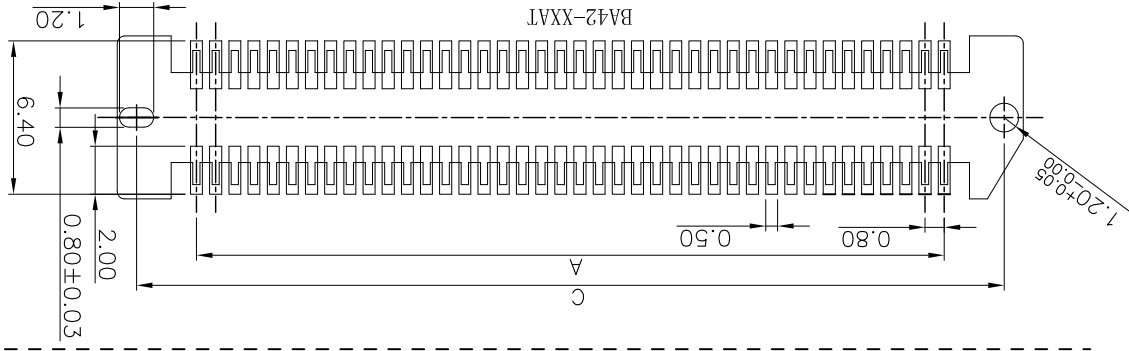
| | | | |
|-------|-------|-------|------|
| X.X | ±0.30 | X.° | ±3.° |
| X.XX | ±0.20 | X.X° | ±2.° |
| X.XXX | ±1.° | X.XX° | ±1.° |

| | |
|-------|-----|
| SCALE | 1:1 |
| UNIT | mm |
| SIZE | A4 |

| | |
|-----------------|-------------|
| ORIGINAL DRAWN: | Xu Peiguang |
| CHECK: | Xie Yong |
| APPROVE: | Ady Zhou |

| | |
|------|------------|
| DATE | 2018.03.26 |
| DATE | 2018.03.26 |
| DATE | 2018.03.26 |

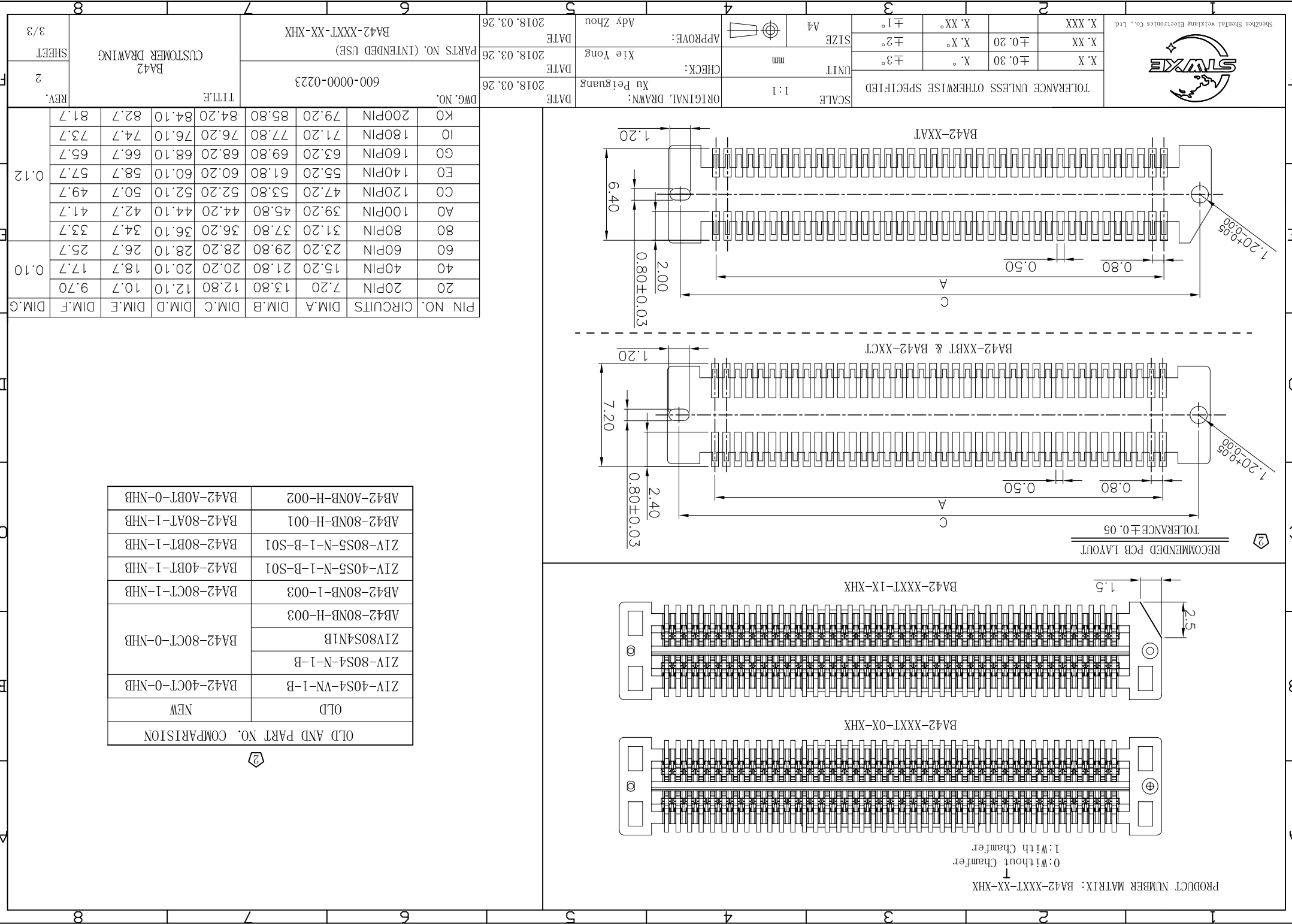
| | | | |
|----------|-----------------------|--------------------------|------------------|
| REV. | 2 | SHEET | 3/3 |
| TITLE | BA42 CUSTOMER DRAWING | | |
| DWG. NO. | 600-0000-0223 | PARTS NO. (INTENDED USE) | BA42-XXXX-XX-XHX |



PRODUCT NUMBER MATRIX: BA42-XXXXT-XX-XHX
 1 Without Chamfer
 1 With Chamfer

| PIN NO. | CIRCUITS | DIM.A | DIM.B | DIM.C | DIM.D | DIM.E | DIM.F | DIM.G |
|---------|----------|-------|-------|-------|-------|-------|-------|-------|
| 20 | 20PIN | 7.20 | 13.80 | 12.80 | 12.10 | 10.7 | 9.70 | 0.10 |
| 40 | 40PIN | 15.20 | 21.80 | 20.20 | 20.10 | 18.7 | 17.7 | 0.10 |
| 60 | 60PIN | 23.20 | 29.80 | 28.20 | 28.10 | 26.7 | 25.7 | 0.10 |
| 80 | 80PIN | 31.20 | 37.80 | 36.20 | 36.10 | 34.7 | 33.7 | 0.12 |
| A0 | 100PIN | 39.20 | 45.80 | 44.20 | 44.10 | 42.7 | 41.7 | 0.12 |
| C0 | 120PIN | 47.20 | 53.80 | 52.20 | 52.10 | 50.7 | 49.7 | 0.12 |
| E0 | 140PIN | 55.20 | 61.80 | 60.20 | 60.10 | 58.7 | 57.7 | 0.12 |
| G0 | 160PIN | 63.20 | 69.80 | 68.20 | 68.10 | 66.7 | 65.7 | 0.12 |
| I0 | 180PIN | 71.20 | 77.80 | 76.20 | 76.10 | 74.7 | 73.7 | 0.12 |
| K0 | 200PIN | 79.20 | 85.80 | 84.20 | 84.10 | 82.7 | 81.7 | 0.12 |

| OLD AND PART NO. COMPARISION | |
|------------------------------|-----------------|
| OLD | NEW |
| ZIV-40S4-VN-1-B | BA42-40CT-0-NHB |
| ZIV-80S4-N-1-B | BA42-80CT-0-NHB |
| ZIV80S4N1B | BA42-80NB-H-003 |
| AB42-80NB-1-003 | BA42-80CT-1-NHB |
| ZIV-40S5-N-1-B-S01 | BA42-40BT-1-NHB |
| ZIV-80S5-N-1-B-S01 | BA42-80BT-1-NHB |
| AB42-80NB-H-001 | BA42-80AT-1-NHB |
| AB42-A0NB-H-002 | BA42-A0BT-0-NHB |



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Board to Board & Mezzanine Connectors](#) category:

Click to view products by [STWXE](#) manufacturer:

Other Similar products are found below :

[10135583-642402LF](#) [89885-310LF](#) [589158040000018](#) [6-1393048-0](#) [68683-613](#) [MDF7-12DP-2.54DSA](#) [MDF7-18P-2.54DSA\(01\)](#) [MDF7-20DP-2.54DSA](#) [MDF7-26D-2.54DSA\(55\)](#) [MDF7-3P-2.54DSA\(01\)](#) [MDF7B-20P-2.54DSA\(01\)](#) [MDF7B-3P-2.54DSA\(55\)](#) [MDF7C-11P-2.54DSA\(55\)](#) [MDF7C-18P-2.54DSA\(55\)](#) [MDF7C-5P-2.54DSA\(01\)](#) [MDF7P-5P-2.54DSA\(55\)](#) [75234-0516](#) [FCN-230C068-11](#) [FCN-268F012-G/BD](#) [FCN-268F036-G/BD](#) [FCN-268M012-G/0D](#) [FCN-268M024-G/1D](#) [FCN-360C008-C](#) [FCN-360C040-C](#) [FCN-723J004/1](#) [MIS-048-01-F-D-DP-K](#) [832-10-034-10-001000](#) [93696-325LF](#) [11828-1FA](#) [AXK630345P](#) [18097-0013](#) [ICA-328STT](#) [2007042-2](#) [304400-2](#) [FCN-214Q030-G/0](#) [FCN-215Q040-G/0](#) [FCN-230C068-ESA](#) [FCN-234P048-G/0](#) [FCN-235D050-G/C](#) [FCN-360A3](#) [FCN-360C040-B](#) [210-93-314-41-105000](#) [2-22603-0](#) [379-064-521-202](#) [MDF7-12P-2.54DSA\(01\)](#) [MDF7-16P-2.54DS\(56\)](#) [MDF7-40DP-2.54DSA\(55\)](#) [MDF7-8P-2.54DSA\(55\)](#) [MDF7B-16P-2.54DSA\(55\)](#) [AXG720047](#)