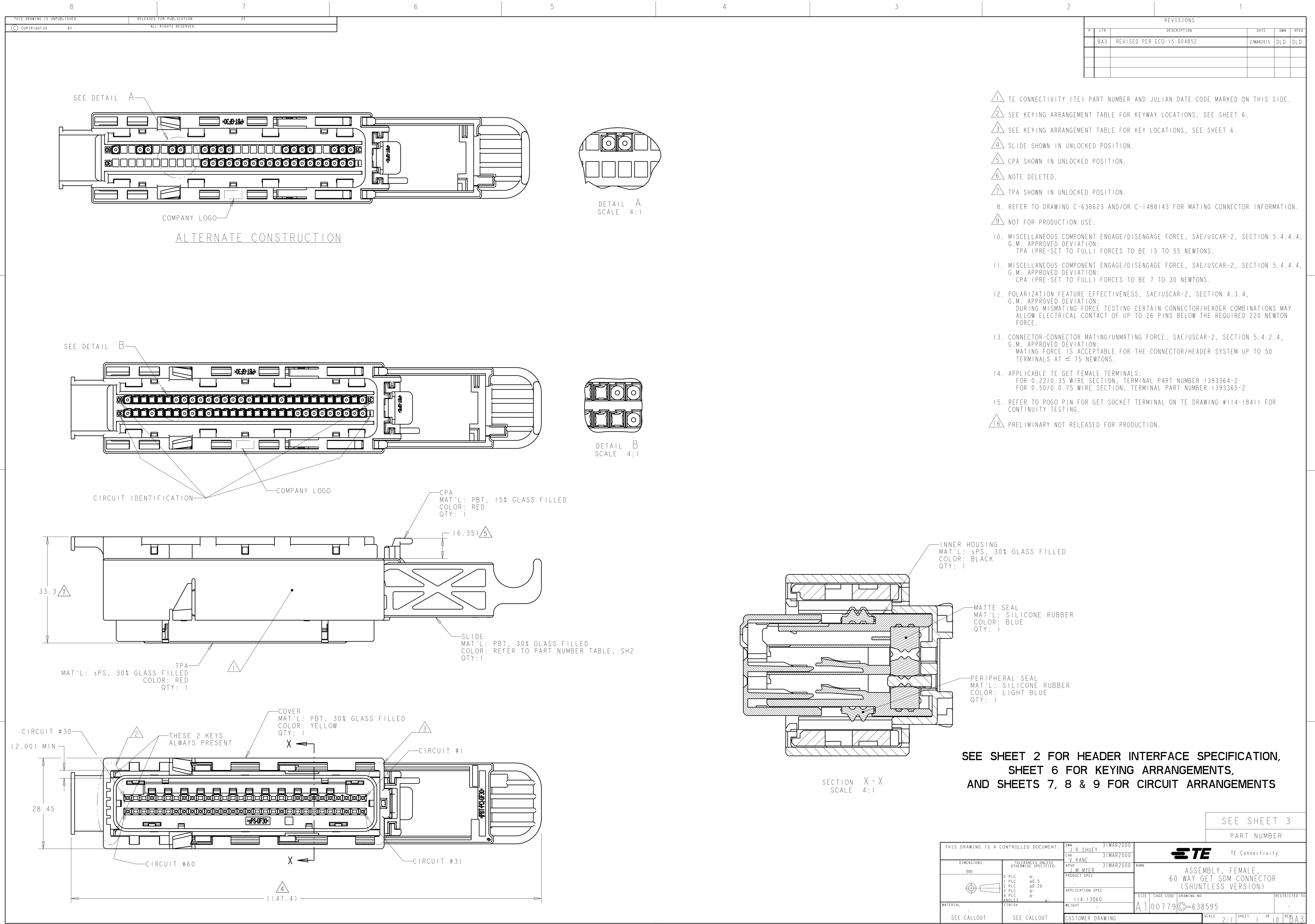


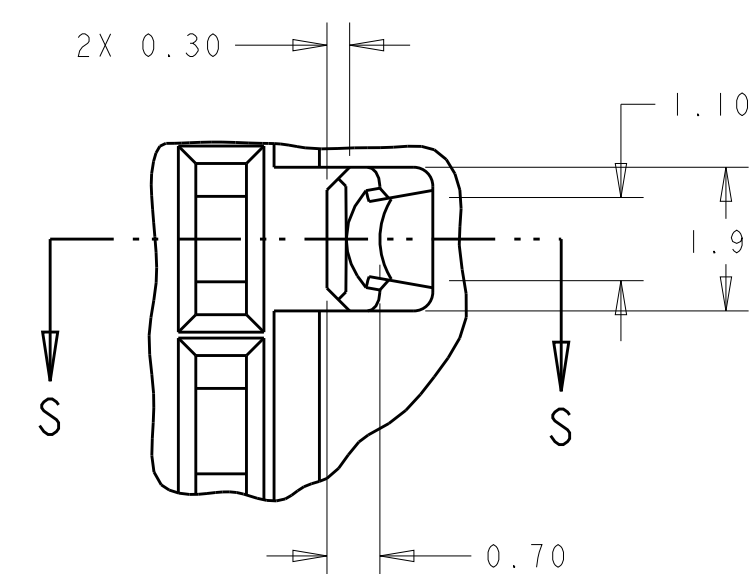
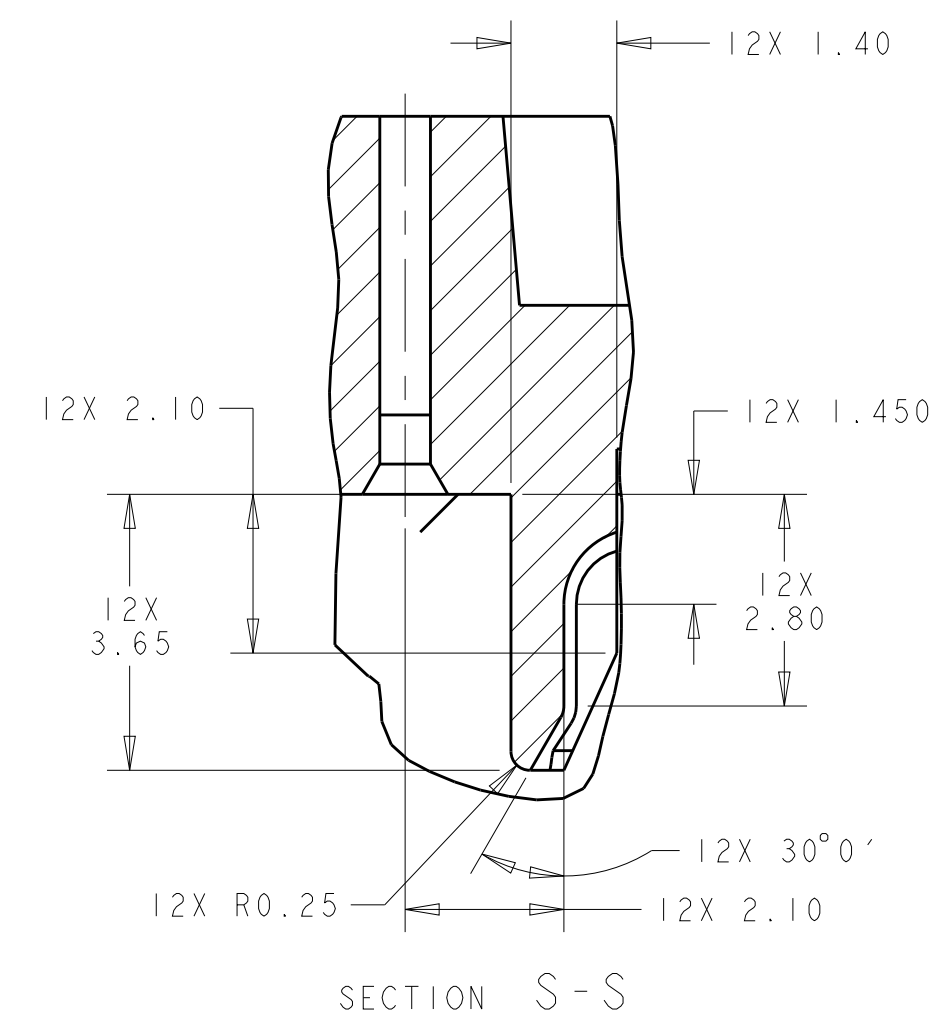
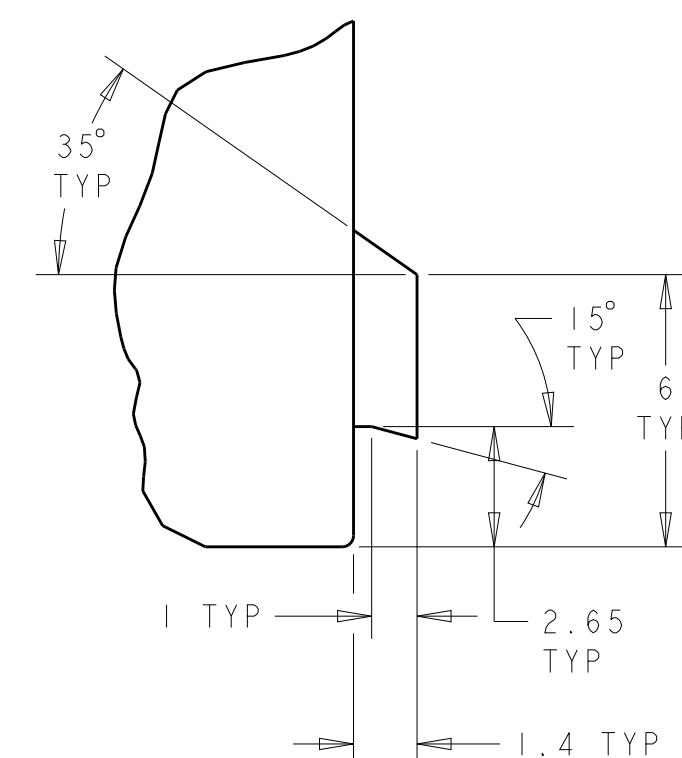


| REVISIONS |     |                           |           |     |      |
|-----------|-----|---------------------------|-----------|-----|------|
| P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
|           | BA3 | REVISED PER ECO-15-004852 | 21MAR2015 | DLD | DLD  |
|           |     |                           |           |     |      |
|           |     |                           |           |     |      |

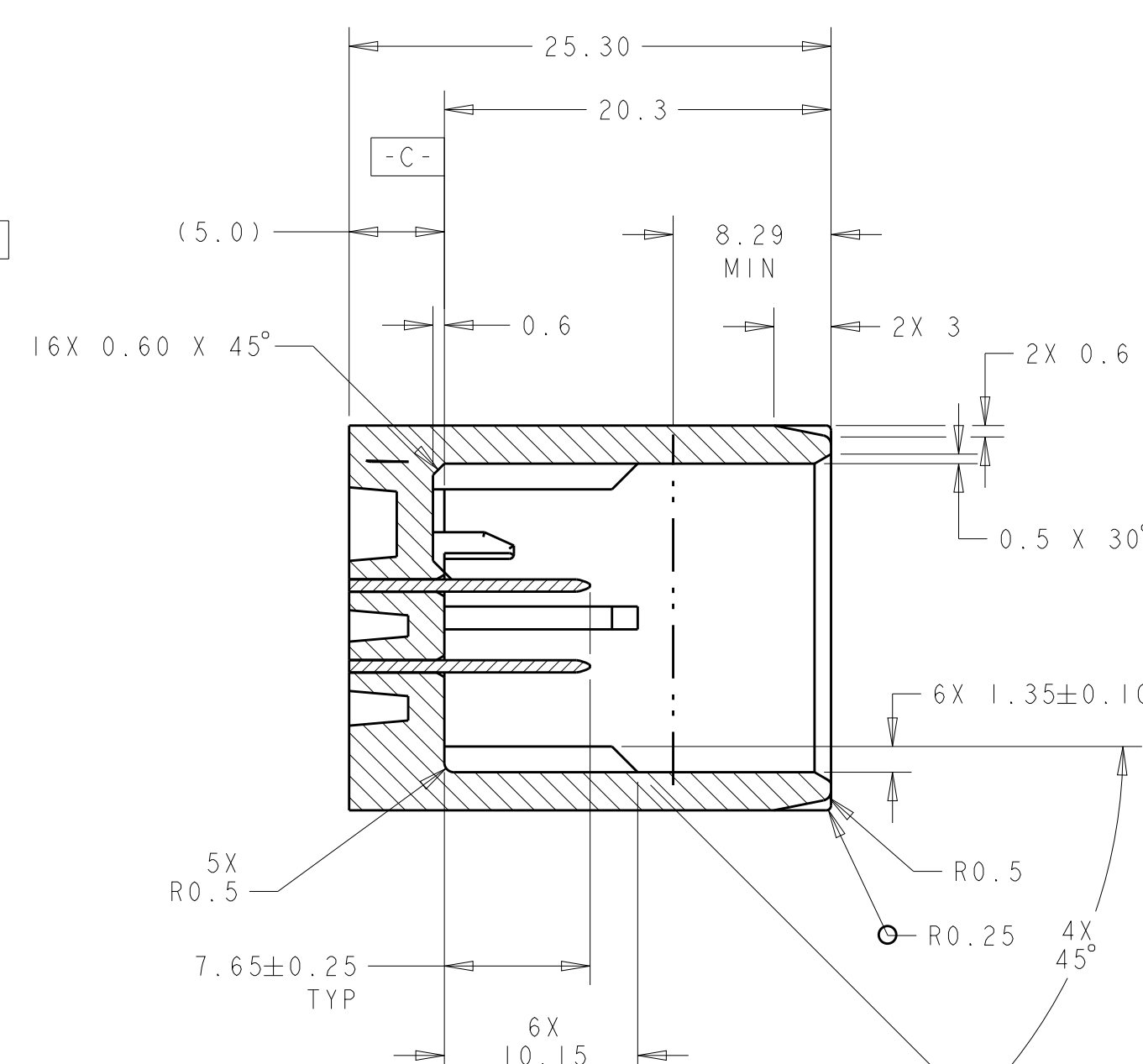
- △ TE CONNECTIVITY (TE) PART NUMBER AND JULIAN DATE CODE MARKED ON THIS SIDE.
- △ SEE KEYING ARRANGEMENT TABLE FOR KEYWAY LOCATIONS, SEE SHEET 6.
- △ SEE KEYING ARRANGEMENT TABLE FOR KEY LOCATIONS, SEE SHEET 6.
- △ SLIDE SHOWN IN UNLOCKED POSITION.
- △ CPA SHOWN IN UNLOCKED POSITION.
- △ NOTE DELETED.
- △ TPA SHOWN IN UNLOCKED POSITION.
8. REFER TO DRAWING C-638623 AND/OR C-1488143 FOR MATING CONNECTOR INFORMATION.
- △ NOT FOR PRODUCTION USE.
10. MISCELLANEOUS COMPONENT ENGAGE/DISENGAGE FORCE, SAE/USCAR-2, SECTION 5.4.4.4, G.M. APPROVED DEVIATION:  
TPA (PRE-SET TO FULL) FORCES TO BE 15 TO 55 NEWTONS.
11. MISCELLANEOUS COMPONENT ENGAGE/DISENGAGE FORCE, SAE/USCAR-2, SECTION 5.4.4.4, G.M. APPROVED DEVIATION:  
CPA (PRE-SET TO FULL) FORCES TO BE 7 TO 30 NEWTONS.
12. POLARIZATION FEATURE EFFECTIVENESS, SAE/USCAR-2, SECTION 4.3.4, G.M. APPROVED DEVIATION:  
DURING MISMATING FORCE TESTING CERTAIN CONNECTOR/HEADER COMBINATIONS MAY ALLOW ELECTRICAL CONTACT OF UP TO 26 PINS BELOW THE REQUIRED 220 NEWTON FORCE.
13. CONNECTOR-CONNECTOR MATING/UNMATING FORCE, SAE/USCAR-2, SECTION 5.4.2.4, G.M. APPROVED DEVIATION:  
MATING FORCE IS ACCEPTABLE FOR THE CONNECTOR/HEADER SYSTEM UP TO 50 TERMINALS AT  $\leq 75$  NEWTONS.
14. APPLICABLE TE GET FEMALE TERMINALS:  
FOR 0.22/0.35 WIRE SECTION, TERMINAL PART NUMBER 1393364-2  
FOR 0.50/0.0.75 WIRE SECTION, TERMINAL PART NUMBER 1393365-2
15. REFER TO POGO PIN FOR GET SOCKET TERMINAL ON TE DRAWING #114-18411 FOR CONTINUITY TESTING.
- △ PRELIMINARY NOT RELEASED FOR PRODUCTION.

SEE SHEET 2 FOR HEADER INTERFACE SPECIFICATION,  
SHEET 6 FOR KEYING ARRANGEMENTS,  
AND SHEETS 7, 8 & 9 FOR CIRCUIT ARRANGEMENTS

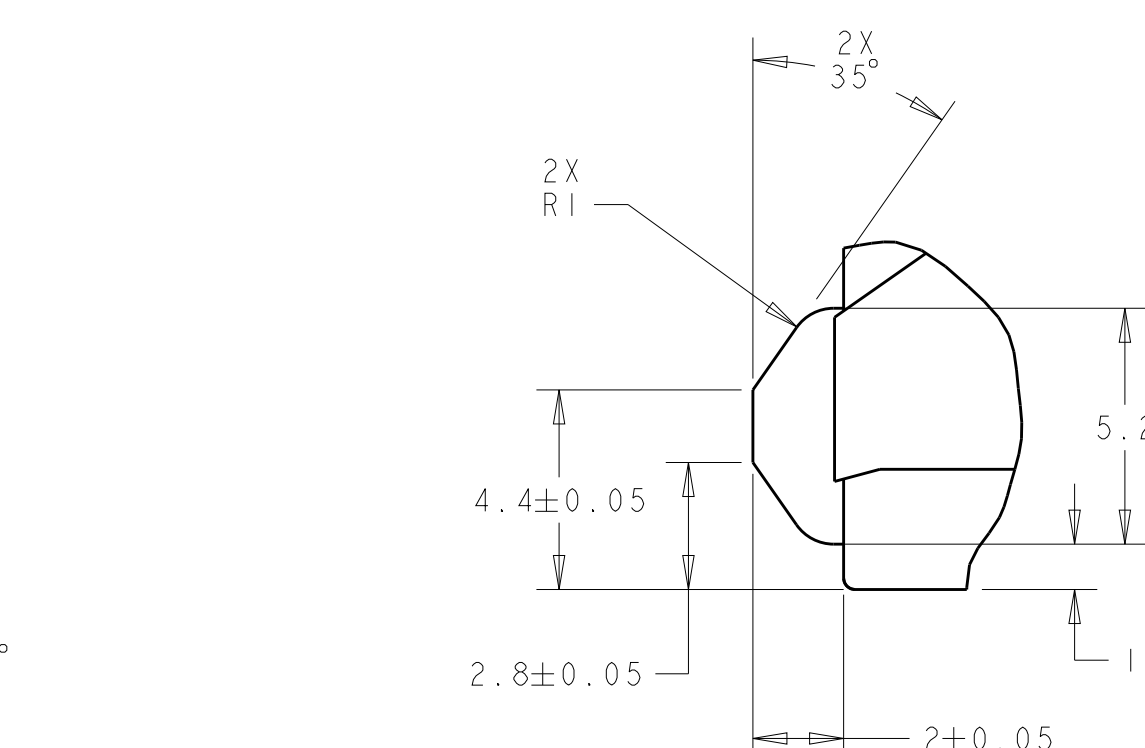
|                                        |  |                          |  |                                                                |  |
|----------------------------------------|--|--------------------------|--|----------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN J.R. SHUEY 31MAR2000 |  | SEE SHEET 3                                                    |  |
| DIMENSIONS:                            |  | CHK V.KANE 31MAR2000     |  | PART NUMBER                                                    |  |
| mm                                     |  | APVD J.M. MYER 31MAR2000 |  | NAME                                                           |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | PRODUCT SPEC             |  | ASSEMBLY, FEMALE, 60 WAY GET-SDM CONNECTOR (SHUNTLESS VERSION) |  |
| 0 PLC $\pm 0.5$                        |  | APPLICATION SPEC         |  | SIZE CAGE CODE DRAWING NO                                      |  |
| 1 PLC $\pm 0.20$                       |  | 114-13060                |  | RESTRICTED TO                                                  |  |
| 2 PLC $\pm$                            |  | WEIGHT                   |  | A100779C-638595                                                |  |
| 3 PLC $\pm$                            |  | CUSTOMER DRAWING         |  | SCALE 2:1 SHEET 1 OF 10                                        |  |
| 4 PLC $\pm$                            |  |                          |  | REV BA3                                                        |  |
| ANGLES FINISH                          |  |                          |  |                                                                |  |
| MATERIAL                               |  |                          |  |                                                                |  |
| SEE CALLOUT                            |  |                          |  |                                                                |  |



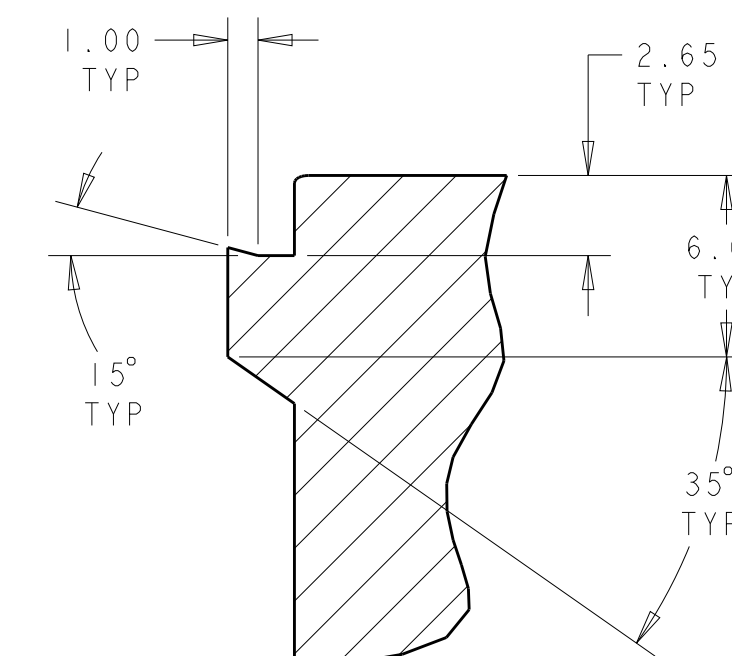
DETAIL U  
ROTATED 90° CLOCKWISE  
SCALE 10:1



SECTION G-G



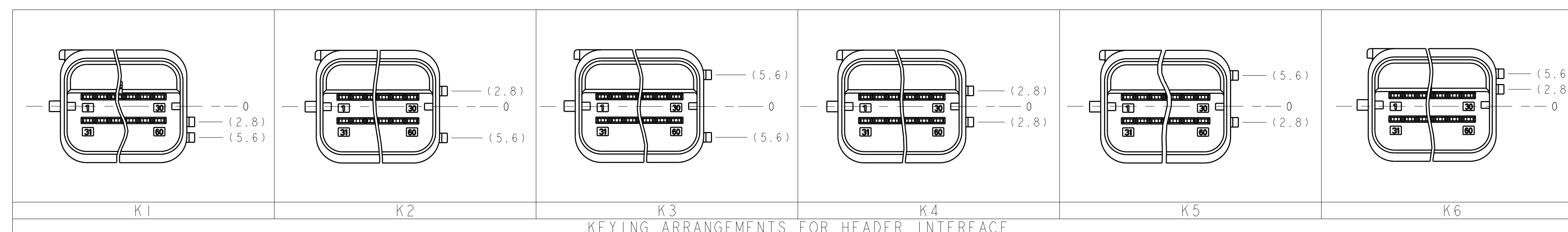
DETAIL T  
SCALE 6:1

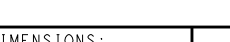


SECTION R-R  
SCALE 4:1

NOTE(S): UNLESS OTHERWISE SPECIFIED

1. PART MUST CONFORM TO THE LATEST LEVEL OF USCAR DATED 951010.
2. ALL PLASTIC PARTS MUST HAVE MATERIAL IDENTIFICATION SYMBOLS CLEARLY MARKED, WHEREVER PACKAGE SIZE PERMITS.
3. GENERAL TOLERANCES:  $\pm 0.2$  ALL ONE PLACE DIMENSIONS,  $\pm 0.1$  ALL TWO PLACE DIMENSIONS,  $\pm 2^\circ$  ALL ANGULAR PLACE DIMENSIONS
4. ALL RADIUS  $\pm 0.5$ .
5. PIN PLATING DETAILS . . .
6. (SEALED INTERFACES ONLY) SEALING SURFACE MUST BE SMOOTH AND FREE OF PARTING LINES.
7. PARTS ARE TO BE FREE OF SCRATCHES, DISCOLORATION, SALT RESIDUE OR OTHER IMPERFECTIONS THAT MAY AFFECT FUNCTION OR FIT OF PART.
8. DRAFT ANGLE PERMISSIBLE ONLY WITHIN PRINT TOLERANCE.
9. SEALING SURFACE, NO WITNESS LINES OR DAMAGE PERMITTED.
10. VENT HOLE SIZE AND LOCATION OPTIONAL.
11. THIS AREA TO REMAIN CLEAR FOR HARNESS ASSEMBLY.
12. HOUSING MATERIAL SELECTION BASED ON PERFORMANCE REQUIRED FOR END APPLICATION AND SOLDERING PROCESS.  
POLYESTER (PBT) - 30% GLASS TESTED TO USCAR2, REV 3, CLASS 2,  
MAX. AMBIENT 100 DEGREE C.
13. CIRCUIT NUMBERS 1.0 HIGH CHARACTERS RAISED 0.05 - 0.1 IN A  
0.10 TO 0.15 RECESSED AREA.



|                                                                                                            |  |                                                                                                                   |  |                                                                                                       |  |
|------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                                     |  | DWN 31MAR2000<br>J.R. SHUEY<br>CHK 31MAR2000<br>V.KANE<br>APP'D 31MAR2000<br>J.M. MYER                            |  |  TE Connectivity |  |
| DIMENSIONS:<br>mm<br> |  | TOLERANCES, UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±<br>1 PLC ±0.5<br>2 PLC ±0.20<br>3 PLC ±<br>4 PLC ±<br>FINISH ± |  | NAME ASSEMBLY, FEMALE,<br>60 WAY GET SDM CONNECTOR<br>(SHUNTLESS VERSION)                             |  |
| MATERIAL<br>SEE CALLOUT                                                                                    |  | APPLICATION SPEC<br>114-13060<br>WEIGHT<br>CUSTOMER DRAWING                                                       |  | SIZE A1<br>CASE CODE 100779<br>DRAWING NO. C638595<br>SCALE 2:1<br>SHEET 2 OF 10<br>REVISION          |  |



| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| -         | -   | SEE SHEET 1 | -    | -   | -    |
|           |     |             |      |     |      |
|           |     |             |      |     |      |
|           |     |             |      |     |      |

|                   |                |                                                      |                                                    |             |
|-------------------|----------------|------------------------------------------------------|----------------------------------------------------|-------------|
| 13577852          | BLACK          | C134                                                 | K5                                                 | 3-1924558-7 |
|                   |                |                                                      |                                                    |             |
|                   |                |                                                      |                                                    |             |
|                   |                |                                                      |                                                    |             |
|                   |                |                                                      |                                                    |             |
| 13502172          | BLACK          | C130                                                 | K3                                                 | 2-1924558-2 |
| 13502171          | BLACK          | C120                                                 | K3                                                 | 2-1924558-1 |
| 13502170          | BLACK          | C42                                                  | K6                                                 | 2-1924558-0 |
| 13502169          | BLACK          | C91                                                  | K6                                                 | 1-1924558-9 |
| 19206496          | BLACK          | C125                                                 | K4                                                 | 1-1924558-8 |
| 19206495          | BLACK          | C126                                                 | K2                                                 | 1-1924558-7 |
| 19206494          | BLACK          | C125                                                 | K1                                                 | 1-1924558-6 |
| 19206493          | BLACK          | C124                                                 | K3                                                 | 1-1924558-5 |
| 19206492          | BLACK          | C123                                                 | K3                                                 | 1-1924558-4 |
|                   |                |                                                      |                                                    |             |
|                   |                |                                                      |                                                    |             |
|                   |                |                                                      |                                                    |             |
| 19206488          | BLACK          | C46                                                  | K3                                                 | 1-1924558-0 |
|                   |                |                                                      |                                                    |             |
| 19152767          | BLACK          | C37                                                  | K2                                                 | 1924558-8   |
| 19180411          | BLACK          | C22                                                  | K3                                                 | 1924558-7   |
|                   |                |                                                      |                                                    |             |
| 19179682          | BLACK          | C22                                                  | K6                                                 | 1924558-5   |
|                   |                |                                                      |                                                    |             |
|                   |                |                                                      |                                                    |             |
| 19179684          | BLACK          | C29                                                  | K5                                                 | 1924558-2   |
| 19179685          | BLACK          | C28                                                  | K2                                                 | 1924558-1   |
| GM<br>PART NUMBER | SLIDE<br>COLOR | CIRCUIT<br>ARRANGEMENT<br>(SEE TABLE<br>ON SH 5 & 6) | KEYING<br>ARRANGEMENT<br>(SEE TABLE<br>ON SHEET 5) | PART NUMBER |

|                                                                                       |  |                                                                                  |  |                                                                                                                 |  |
|---------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN J.R. SHUEY 31MAR2000                                                         |  | <div>TE Connectivity</div> |  |
|                                                                                       |  | CHK V.KANE 31MAR2000                                                             |  |                                                                                                                 |  |
| DIMENSIONS:                                                                           |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                           |  | NAME                                                                                                            |  |
| mm                                                                                    |  | 0 PLC ±<br>1 PLC ±0.5<br>2 PLC ±0.20<br>3 PLC ±<br>4 PLC ±<br>ANGLES ±<br>FINISH |  | PRODUCT SPEC                                                                                                    |  |
|  |  | APPLICATION SPEC                                                                 |  | SIZE                                                                                                            |  |
|                                                                                       |  | 114-13060                                                                        |  | CAGE CODE                                                                                                       |  |
| MATERIAL -                                                                            |  | WEIGHT -                                                                         |  | DRAWING NO                                                                                                      |  |
| SEE CALLOUT                                                                           |  | CUSTOMER DRAWING                                                                 |  | A100779C=638595                                                                                                 |  |
|                                                                                       |  |                                                                                  |  | RESTRICTED TO                                                                                                   |  |
|                                                                                       |  |                                                                                  |  | SCALE 2:1 SHEET 4 OF 10                                                                                         |  |
|                                                                                       |  |                                                                                  |  | REV BA3                                                                                                         |  |

| REVISIONS |      |             |      |      |       |
|-----------|------|-------------|------|------|-------|
| P.        | LTR. | DESCRIPTION | DATE | DWN. | APVD. |
| -         | -    | SEE SHEET 1 | -    | -    | -     |
|           |      |             |      |      |       |
|           |      |             |      |      |       |
|           |      |             |      |      |       |

NOT INTENDED FOR PRODUCTION USE

SERVICE PART

|   |                |                                                     |                                                    |             |
|---|----------------|-----------------------------------------------------|----------------------------------------------------|-------------|
| 9 | BLACK          | C3                                                  | K0                                                 | 8-184464-7  |
|   | SLIDE<br>COLOR | CIRCUIT<br>ARRANGEMENT<br>(SEE TABLE<br>ON SHEET 4) | KEYING<br>ARRANGEMENT<br>(SEE TABLE<br>ON SHEET 4) | PART NUMBER |

NOT INTENDED FOR PRODUCTION USE

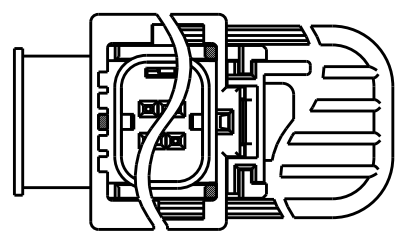
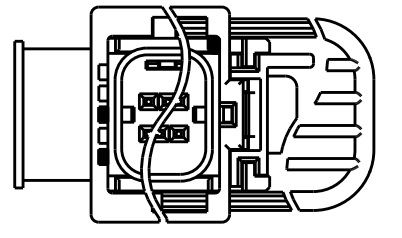
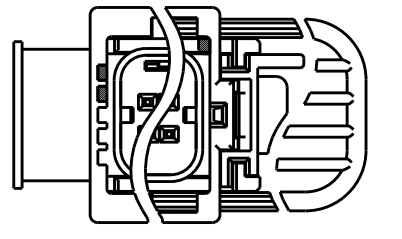
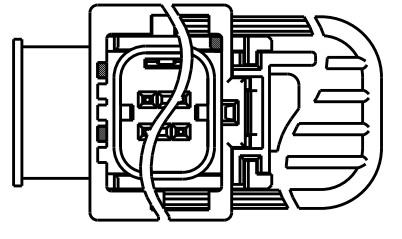
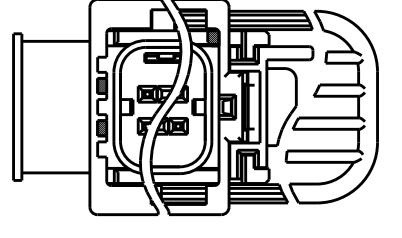
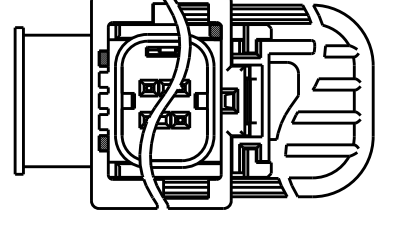
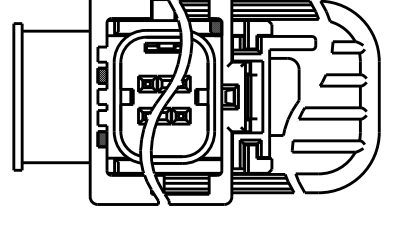
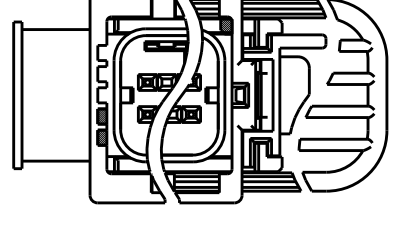
SERVICE PART

|                                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|---------------------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1                                           | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|                                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 31                                          | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| CIRCUIT ARRANGEMENT                         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| [X] INDICATES UNAVAILABLE (BLOCKED) CIRCUIT |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| C3                                          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

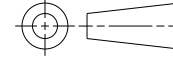
|                                                                                 |                  |
|---------------------------------------------------------------------------------|------------------|
|                                                                                 | K0<br>(OPTIONAL) |
|                                                                                 | K0               |
| KEYING ARRANGEMENT<br>( [ ] INDICATES PRESENCE OF<br>KEYWAY OR ABSENCE OF KEY ) |                  |

|                                                                                       |  |                        |           |                                                                                                       |           |
|---------------------------------------------------------------------------------------|--|------------------------|-----------|-------------------------------------------------------------------------------------------------------|-----------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DRAWN<br>J. R. SHUEY   | 31MAR2000 |  TE Connectivity |           |
|                                                                                       |  | CHECKED<br>V. KANE     | 31MAR2000 |                                                                                                       |           |
| DIMENSIONS:                                                                           |  | APPROVED<br>J. M. MYER | 31MAR2000 | NAME                                                                                                  |           |
| mm                                                                                    |  | PRODUCT SPEC           |           | ASSEMBLY, FEMALE,<br>60 WAY GET SDM CONNECTOR<br>(SHUNTLESS VERSION)                                  |           |
|  |  | APPLICATION SPEC       |           |                                                                                                       |           |
| TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                             |  | WEIGHT                 |           | SIZE                                                                                                  | CAGE CODE |
| 0 PLC ±                                                                               |  | CUSTOMER DRAWING       |           | A1                                                                                                    | 00779     |
| 1 PLC ±0.5                                                                            |  | SCALE                  |           | 2:1                                                                                                   |           |
| 2 PLC ±0.20                                                                           |  | SHEET                  |           | 5                                                                                                     |           |
| 3 PLC ±                                                                               |  | OF                     |           | 10                                                                                                    |           |
| 4 PLC ±                                                                               |  |                        |           | REV                                                                                                   |           |
| ANGLES                                                                                |  |                        |           |                                                                                                       |           |
| FINISH                                                                                |  |                        |           |                                                                                                       |           |

| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| -         | -   | SEE SHEET 1 | -    | -   | -    |
|           |     |             |      |     |      |
|           |     |             |      |     |      |
|           |     |             |      |     |      |

|                                                                                       |       |
|---------------------------------------------------------------------------------------|-------|
|    | K 9 9 |
|    | K 7   |
|   | K 6   |
|  | K 5   |
|  | K 4   |
|  | K 3   |
|  | K 2   |
|  | K 1   |

KEYING ARRANGEMENT  
(  INDICATES PRESENCE OF  
KEYWAY OR ABSENCE OF KEY )

|                                                                                       |  |                                        |                           |  |                                                                                                       |            |
|---------------------------------------------------------------------------------------|--|----------------------------------------|---------------------------|--|-------------------------------------------------------------------------------------------------------|------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  |                                        | DWN J. R. SHUEY 31MAR2000 |  |  TE Connectivity |            |
|                                                                                       |  |                                        | CHK V. KANE 31MAR2000     |  |                                                                                                       |            |
|                                                                                       |  |                                        | APVD J. M. MYER 31MAR2000 |  |                                                                                                       |            |
|                                                                                       |  |                                        | NAME                      |  |                                                                                                       |            |
| DIMENSIONS:                                                                           |  | TOLERANCES UNLESS OTHERWISE SPECIFIED: | PRODUCT SPEC              |  | ASSEMBLY, FEMALE,<br>60 WAY GET SDM CONNECTOR<br>(SHUNTLESS VERSION)                                  |            |
| mm                                                                                    |  |                                        | APPLICATION SPEC          |  |                                                                                                       |            |
|  |  |                                        | 114-13060                 |  |                                                                                                       |            |
|                                                                                       |  |                                        | WEIGHT -                  |  |                                                                                                       |            |
| MATERIAL                                                                              |  | FINISH                                 | SIZE                      |  | CAGE CODE                                                                                             | DRAWING NO |
| -                                                                                     |  | -                                      | A1                        |  | 00779                                                                                                 | C=638595   |
| SEE CALLOUT                                                                           |  | SEE CALLOUT                            | CUSTOMER DRAWING          |  | SCALE                                                                                                 | 2:1        |
|                                                                                       |  |                                        |                           |  | SHEET                                                                                                 | 6 OF 10    |
|                                                                                       |  |                                        |                           |  | REV                                                                                                   | BA3        |









## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

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Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

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moschip.ru\_4

moschip.ru\_6

moschip.ru\_9