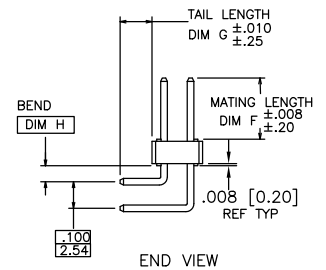
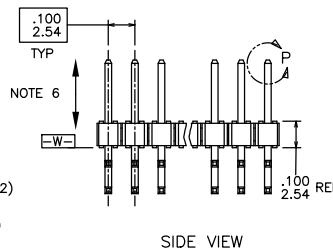
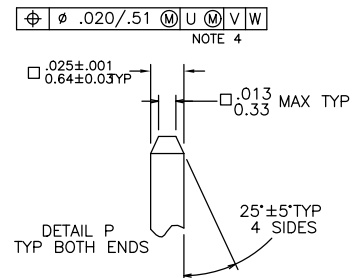
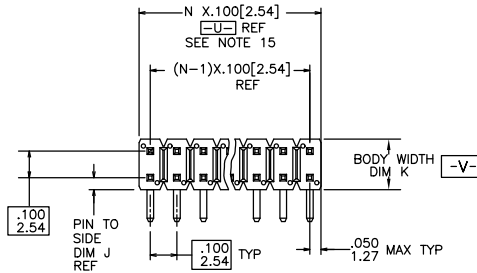


PRODUCT NUMBER
XXXXX-YYY HTLF

- LEAD FREE OPTION
SEE NOTE 1,8
- TUBE PACKAGING OPTION
SEE NOTE 1
- HIGH TEMPERATURE PLASTIC
SEE NOTE 1
- NO OF POSITIONS
SEE NOTE 1
- PIN PLATING
SEE SHEET 2
- BASE PART NO.



68020-X XX-XXX XXX LF

- TAIL LENGTH (EXAMPLE BELOW)
3.0mm=030 12.8mm=128 (SEE NOTE 11 & 12)
- MATING LENGTH (EXAMPLE BELOW)
5.0mm=050 25.5mm=255 (SEE NOTE 11 & 12)
- TOTAL NUMBER OF POSITION
FROM 2(2X1) THRU 72 (2X36) POSITIONS
- PIN PLATING (SEE NOTE 9)
1=0.76µm Au
4= PURE TIN
8=0.36µm Au
- BASE PART NO.

| | | | | | |
|--------------------|-------------|---|-----------------------------------|------------------|------------|
| www.fciconnect.com | | surface 6.4 ISO 1302 | tolerance std ISO 406 ISO 1101 | projection A4 | INCH/MM |
| | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | |
| Dr | D.WIHTING | 03/08/93 | ANGULAR | size | Scale |
| Eng | T.HANNA | 03/08/93 | LINEAR | ±.03 | 1.000 |
| Chr | T.BREVNAKER | 03/08/93 | 0° ±2° | ±.15 | |
| Appr | T.HANNA | 03/08/93 | Product family | ±.05 | ECN |
| | | | BERGSTIK | ±.05 | N11-0118 |
| | | | Spec ref | | |
| FCJ | | BERGSTIK® II HEADER .100/2.54cc DR R/A | | 68020 | Rev. BJ |
| catalog no | | CUSTOMER | | sheet 1 of 5 | |

REV 7 - 2004-07

PDM: Rev:BJ

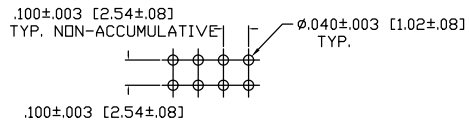
STATUS Released 4 Printed: Apr 19, 2011

| PIN PLATING CODES: | |
|--------------------|---|
| XXXX-1YY | 30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni |
| XXXX-2YY | 15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni |
| XXXX-3YY | 50u"/1.27u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni |
| XXXX-4YY | 100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 10) |
| XXXX-4YYHLF | |
| XXXX-5YY | 15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni |
| XXXX-6YY | 30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni |
| XXXX-7YY | 30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni |
| XXXX-8YY | 15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni |
| XXXX-9YY | 15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni |
| XXXX-0YY | 30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni |

NOTES

1. PART NUMBER OPTIONS:
PIN PLATING CODES (SEE ABOVE)
HIGH TEMP. MATERIAL:
PART NUMBERS WITH AND WITHOUT "H" WILL BE SUPPLIED WITH HIGH TEMPERATURE PLASTIC
NUMBER OF POSITION:
EVEN NUMBER OF POSITIONS FROM 2 (2X1) THRU 72 (2X36).
PACKAGING:
PACKAGED IN POLY BAGS.
EIGHT DIGIT PART NUMBERS FOLLOWED BY A "T" ARE PACKAGED IN TUBES. SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.
LEAD FREE:
ADD "HLF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION, NOT AVAILABLE FOR -5YY,-5YYH,-6YY & -6YYH.
2. BODY MATERIAL:
MANUFACTURER'S OPTION OF NYLON, PCT GLASS FIBER REINFORCED, OR MINERAL FILLED LCP FLAME RETARDENT PER UL-94V-0. COLOR: BLACK.
PART NUMBERS WITH AND WITHOUT "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.
3. PIN MATERIAL: PHOS-BRONZE.
4. MEASURED WITH PART IN RESTRAINED CONDITION.
5. TWO SIDES OF PIN TIPS NOT PLATED. TYPICAL BOTH ENDS.
6. 2LBS/0.9KG MIN PIN RETENTION IN EITHER DIRECTION.
7. MILITARY BERGSTIK HEADER
P/N XXXXX-YYY-MIL NOT AVAILABLE.

8. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
9. PLATING OPTIONS:
PERFORMANCE PLATING WILL BE EITHER GOLD OR GXT ON POST OR TAIL, OPTIONALLY (78~295u"/2~7.5u) TIN ON TAIL.
10. THIS PRODUCT HAS 100%% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."
11. THE OAL DON'T EXCEED 31mm
OAL= MATTING DIM + TAIL DIM +4.0mm<=31mm "WHERE THE SUM OF TAIL LEGTH DON'T EXCEED 27mm" TAIL
TAIL LENGTH MIN 2.00mm TAIL LENGTH MAX 10.4mm
MATTING LENGTH MIN 1.5mm MATTING LENGTH MAX 25.4mm
12. INCREMENTS BY 0.1mm IN LENGTH ONLY
13. FOR ESPECIAL PACKAGING REQUEST PLEASE CONTACT PRODUCT MANAGER FOR AVAILABILITY
14. BEND DIMENSION AT 1.5mm ONLY
15. TO DETERMINE DIMENSIONS:
N=NUMBER OF POSITION PER ROW
EXAMPLE: 10 POS. N X .100/2.54



RECOMMENDED HOLE PATTERN

| | | | | | |
|--------------------|-------------|---------------------------------------|-----------------------------------|------------------------|------------------------------------|
| www.fciconnect.com | | surface ISO 1302 ✓ | tolerance std ISO 406 ISO 1101 | projection ISO 1101 | INCH/MM |
| | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | |
| Dr | D.WIHTING | 03/08/93 | ANGULAR | LINEAR | 0X ±0.3 0XX ±0.15 0XXX ±0.05 |
| Eng | T.HANNA | 03/08/93 | 0° ±2° | | size A4 Scale 1:000 |
| Chr | T.BREVNAKER | 03/08/93 | | | ECN N11-0118 |
| Appr | T.HANNA | 03/08/93 | Product family | BERGSTIK | Spec ref |
| FCI | | BERGSTIK® II HEADER | | 2 | 68020 |
| catalog no | | .100/2.54cc DR R/A | | Rev. BJ | |
| | | | | CUSTOMER | sheet 2 of 5 |



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| PRODUCT NUMBER | 1 | | 2 | | | | 3 | | 4 | | PACKAGING | LF OPTION NOTE 1,8 |
|----------------|---------|--------|-------------|--------|-----------|--------|-------------|--------|------------|--------|-----------------|-----------------------|
| | MATING | | TAIL LENGTH | | BEND DIM. | | PIN TO SIDE | | BODY WIDTH | | | |
| | DIM F | DIM F | DIM G | DIM G | DIM H | DIM H | DIM J | DIM J | DIM K | DIM K | | |
| | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | | |
| 68020-YYY | 0.230 | 5.84 | 0.095 | 2.41 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 68021-YYY | 0.230 | 5.84 | 0.120 | 3.05 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 68022-YYY | 0.318 | 8.08 | 0.110 | 2.79 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 68025-YYY | 0.230 | 5.84 | 0.195 | 4.95 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 68405-YYY | 0.230 | 5.84 | 0.095 | 2.41 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 68452-YYY | 0.380 | 9.65 | 0.110 | 2.79 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 68459-YYY | 0.318 | 8.08 | 0.150 | 3.81 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS/TUBES | |
| 68462-YYY | 0.400 | 10.16 | 0.120 | 3.05 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 68463-YYY | 0.230 | 5.84 | 0.110 | 2.79 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 68480-YYY | 0.318 | 8.08 | 0.110 | 2.79 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 68492-YYY | 0.230 | 5.84 | 0.150 | 3.81 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 68493-YYY | | | | | | | | | | | | |
| 68695-YYY | 0.230 | 5.84 | 0.090 | 2.29 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 68696-YYY | 0.318 | 8.08 | 0.125 | 3.18 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 68697-YYY | 0.230 | 5.84 | 0.125 | 3.18 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 68715-YYY | 0.138 | 3.51 | 0.138 | 3.51 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 68728-YYY | | | | | | | | | | | | |
| 68740-YYY | 0.345 | 8.76 | 0.110 | 2.79 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 68759-YYY | 0.275 | 6.99 | 0.120 | 3.05 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 68780-YYY | 0.230 | 5.84 | 0.039 | 0.99 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 69147-YYY | 0.540 | 13.72 | 0.260 | 6.60 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 69186-YYY | | | | | | | | | | | | |
| 72240-XYXH | 0.550 | 13.97 | 0.120 | 3.05 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 72261-XYXH | 0.100 | 2.54 | 0.100 | 2.54 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 72324-XYXH | 0.550 | 13.97 | 0.260 | 6.60 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 72410-XYXH | 0.120 | 3.05 | 0.350 | 8.89 | 0.120 | 3.05 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 74430-XYXH | 0.000 | 0.00 | 0.233 | 5.92 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | NOTE 1,8 |



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| | | | | | |
|--------------------|-------------|---|-----------------------------------|----------------|------------|
| www.fciconnect.com | | surface ISO 1302 <input checked="" type="checkbox"/> | tolerance std ISO 406 ISO 1101 | projection | INCH/MM |
| | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | |
| Dr | D.WIHTING | 03/08/93 | ANGULAR | 0.X | ±0.3 |
| Eng | T.HANNA | 03/08/93 | LINEAR | 0.XX | ±0.15 |
| Chr | T.BREVNAKER | 03/08/93 | 0° ±2° | 0.XXX | ±0.05 |
| Appr | T.HANNA | 03/08/93 | Product family | BERGSTIK | Spec ref |
| | | BERGSTIK® II HEADER .100/2.54cc DR R/A | | 2 68020 | Rev. BJ |
| catalog no | | CUSTOMER | | sheet 3 of 5 | |

PDM: Rev:BJ STATUS Released 4 Printed: Apr 19, 2011

| PRODUCT NUMBER | 1 | | 2 | | | | 3 | | 4 | | PACKAGING | LF OPTION NOTE 1,8 |
|----------------|---------------|--------|-------------|--------|-----------|--------|-------------|--------|------------|--------|-----------------|--------------------------|
| | MATING LENGTH | | TAIL LENGTH | | BEND DIM. | | PIN TO SIDE | | BODY WIDTH | | | |
| | DIM F | DIM F | DIM G | DIM G | DIM H | DIM H | DIM J | DIM J | DIM K | DIM K | | |
| | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | | |
| 78576-YYY | 0.120 | 3.05 | 0.120 | 3.05 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 78923-YYY | 0.240 | 6.10 | 0.095 | 2.41 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 78951-YYY | 0.500 | 12.70 | 0.120 | 3.05 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 79200-YYY | 0.155 | 3.94 | 0.280 | 7.11 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 79201-YYY | 0.225 | 5.72 | 0.280 | 7.11 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 79202-YYY | 0.245 | 6.22 | 0.280 | 7.11 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 79203-YYY | 0.315 | 8.00 | 0.280 | 7.11 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 79204-YYY | 0.177 | 4.50 | 0.410 | 10.41 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 79205-YYY | 0.25 | 6.35 | 0.410 | 10.41 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 79206-YYY | 0.315 | 8.00 | 0.410 | 10.41 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 79248-YYY | | | | | | | | | | | | |
| 79257-YYY | 0.230 | 5.84 | 0.120 | 3.05 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS/TUBES | |
| 79258-YYY | 0.318 | 8.08 | 0.120 | 3.05 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS/TUBES | |
| 79807-YYY | | | | | | | | | | | | |
| 79841-YYY | 0.060 | 1.52 | 0.230 | 5.84 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 86385-YYY | 0.260 | 6.6 | 0.120 | 3.05 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 86840-YYY | 0.318 | 8.08 | 0.230 | 5.84 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 86867-YYY | | | | | | | | | | | | |
| 88822-YYY | 0.318 | 8.08 | 0.080 | 2.03 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 89292-YYY | 0.120 | 3.05 | 0.300 | 7.62 | 0.120 | 3.05 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 90234-YYY | 0.130 | 3.30 | 0.195 | 4.95 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 92634-YYY | 0.318 | 8.08 | 0.318 | 8.08 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 93162-YYY | 0.230 | 5.84 | 0.400 | 10.16 | 0.150 | 3.81 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 93932-YYY | 0.200 | 5.08 | 0.120 | 3.05 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 93939-YYY | 0.160 | 4.06 | 0.120 | 3.05 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 94687-XYH | 0.430 | 10.92 | 0.230 | 5.84 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | |
| 94688-XYH | 0.385 | 9.78 | 0.280 | 7.11 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | NOTE 1,8 |

| | | | | | |
|--------------------|-------------|---|-----------------------------------|-----------------|--------------|
| www.fciconnect.com | | surface ISO 1302 ✓ | tolerance std ISO 406 ISO 1101 | projection A | INCH/MM |
| | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | |
| Dr | D.WIHTING | 03/08/93 | ANGULAR | 0x | ±0.3 |
| Eng | T.HANNA | 03/08/93 | LINEAR | 0xx | ±0.15 |
| Chr | T.BREVNAKER | 03/08/93 | 0° ±2° | 0xxx | ±0.05 |
| Appr | T.HANNA | 03/08/93 | Product family | BERGSTIK | ECN N11-0118 |
| FCI | | BERGSTIK® II HEADER .100/2.54cc DR R/A | | 68020 | Rev. BJ |
| catalog no | | CUSTOMER | | sheet 4 of 5 | |

PDM: Rev:BJ STATUS Released 4 Printed: Apr 19, 2011

| PRODUCT NUMBER | 1 | | 2 | | | | 3 | | 4 | | PACKAGING | LF OPTION |
|----------------|---------------|--------|-------------|--------|-----------|--------|-------------|--------|------------|--------|-----------|--------------|
| | MATING LENGTH | | TAIL LENGTH | | BEND DIM. | | PIN TO SIDE | | BODY WIDTH | | | |
| | DIM F | DIM F | DIM G | DIM G | DIM H | DIM H | DIM J | DIM J | DIM K | DIM K | | |
| | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | | |
| 95035-XYH | 0.230 | 5.84 | 0.400 | 10.16 | 0.060 | 1.52 | 0.045 | 1.14 | 0.190 | 4.83 | POLY BAGS | NOTE 1,8 |
| 95182-XYH | 0.400 | 10.16 | 0.110 | 2.79 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 98358-XYH | 0.205 | 5.21 | 0.410 | 10.41 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | |
| 98359-XYH | 0.275 | 6.99 | 0.410 | 10.41 | 0.060 | 1.52 | 0.070 | 1.78 | 0.240 | 6.10 | POLY BAGS | NOTE 1,8 |



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|---------------------------------------|-------------|---|-----------------------------------|--------------------------|--------------|
| www.fciconnect.com | | surface ISO 1302 ✓ | tolerance std ISO 406 ISO 1101 | projection ASME Y14.5 | INCH/MM |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | ANGULAR | LINEAR | size A4 | Scale 1.000 |
| Dr | D.WIHTING | 03/08/93 | 0x | ±0.3 | ECN N11-0118 |
| Eng | T.HANNA | 03/08/93 | 0xx | ±0.15 | |
| Chr | T.BREVNAKER | 03/08/93 | 0° ±2° | ±0.05 | |
| Appr | T.HANNA | 03/08/93 | Product family | BERGSTIK | Spec ref |
| | title | BERGSTIK® II HEADER .100/2.54cc DR R/A | | part no | 68020 |
| | catalog no | | | CUSTOMER | sheet 5 of 5 |

REV 7 - 2004-07