

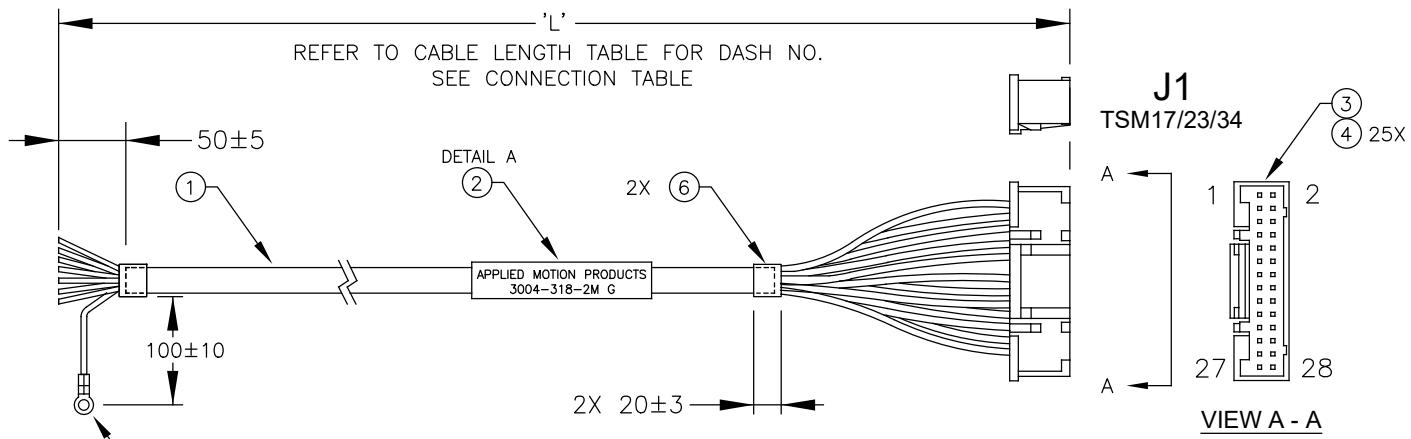
NOTES: UNLESS OTHERWISE SPECIFIED

1. THIS CABLE IS MANUFACTURED IN COMPLIANCE WITH THE CURRENT EC RoHS DIRECTIVE.
2. TEST 100% FOR OPENS (>1 OHMS MAX) AND SHORTS (5 MEGOHMS MIN)

| REVISIONS | | | |
|-----------|----------------------------------|----------|-------------|
| REV | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE ECO 7290 | 8/26/15 | J KORDIK |
| B | REVISED PER MFGR ECO 7339 | 10/22/15 | J KORDIK |
| C | REVISED PER MFGR ECO 7XXX | 11/5/15 | J KORDIK |
| D | REVISED RoHS NOTE - ECO 7451 | 6/13/16 | J KORDIK |
| E | Removed sizes from T.B./ECO 7645 | 5/17/17 | L LIU |
| F | ADD TABULATION CHART-ECO 7937 | 4/27/18 | J Georgiana |
| G | ADD MDX SIGNALS-ECO 8276 | 7/2/19 | L LIU |

| CABLE LENGTH TABLE | |
|--------------------------------|-----------------|
| FINISHED LENGTH \pm 2% TOTAL | |
| MARK | PART NO |
| | 'L' |
| 3004-318-2M | 6.56 FEET (2M) |
| 3004-318-3M | 9.84 FEET (3M) |
| 3004-318-5M | 16.4 FEET (5M) |
| 3004-318-10M | 32.8 FEET (10M) |
| 3004-318-15M | 49.2 FEET (15M) |
| 3004-318-20M | 65.6 FEET (20M) |
| 3004-318-25M | 82.0 FEET (25M) |

| J1 CONNECTIONS | | | |
|----------------|------------|------------|--------------|
| PIN NO: | TSM SIGNAL | MDX SIGNAL | WIRE COLOR |
| 1 | X1+ | X1+ | BLUE/WHITE |
| 2 | X1- | X1- | BLUE/BLACK |
| 3 | X2+ | X2+ | GREEN/WHITE |
| 4 | X2- | X2- | GREEN/BLACK |
| 5 | X3 | X3 | BLUE |
| 6 | X4 | X4 | VIOLET |
| 7 | X5 | X5 | YELLOW |
| 8 | X6 | X6 | GREEN |
| 9 | XCOM | XCOM | ORANGE |
| 10 | +5V | +5V | RED |
| 11 | AIN | AIN1 | WHITE |
| 12 | GND | GND | BLACK |
| 13 | X7+ | X7+ | BROWN/WHITE |
| 14 | X7- | X7- | BROWN/BLACK |
| 15 | X8+ | X8+ | GREY/WHITE |
| 16 | X8- | X8- | GREY/BLACK |
| 17 | Y1 | Y1 | BROWN |
| 18 | Y2 | Y2 | GREY |
| 19 | Y3 | Y3 | PINK |
| 20 | YCOM | YCOM | YELLOW/GREEN |
| 21 | Y4+ | Y4 | VIOLET/WHITE |
| 22 | Y4- | AIN2 | VIOLET/BLACK |
| 23 | Z+ | Z+ | YELLOW/WHITE |
| 24 | Z- | Z- | N/C |
| 25 | B+ | B+ | ORANGE/WHITE |
| 26 | B- | B- | N/C |
| 27 | A+ | A+ | RED/WHITE |
| 28 | A- | A- | N/C |



APPLIED MOTION PRODUCTS
3004-318-2M G

LABEL DETAIL A

| BILL OF MATERIALS | | | | | |
|-------------------|---------------------|--------------------------------------------|-----|-----|--------------------|
| ITEM | PART NUMBER | DESCRIPTION | QTY | UOM | MFR |
| 1 | 20276-004 OR EQUIV. | CABLE, 25 CONDUCTOR, 26AWG | A/R | EA | UL 20276 OR EQUIV. |
| 2 | LAT-27-361 | LABEL, 1.875" X 3.167" | 1 | EA | BRADY OR EQUIV. |
| 3 | PUDP-28V-S | HOUSING, CONNECTOR, 2MM PITCH | 1 | EA | JST OR EQUIV. |
| 4 | SPUD-001T-P0.5 | TERMINALS, CRIMP | 25 | EA | JST OR EQUIV. |
| 5 | 8-34105-1 | RING TERM, 22-16 AWG, #6 STUD, UNINSULATED | 1 | EA | AMP OR EQUIV |
| 6 | FIT-221-1/4-BLK | SHRINK TUBE | A/R | EA | ALPHA OR EQUIV. |

| TOLERANCES | | THIRD ANGLE PROJECTION | | APPLIED MOTION PRODUCTS, INC. | |
|-------------------------------|--|------------------------|--|-------------------------------------|--|
| DECIMALS: MM | | | | | |
| X.XXX= \pm 0.013 | | | | | |
| X.XX = \pm 0.25 | | | | | |
| X.X = \pm 2.5 | | | | | |
| ANGLES: | | | | | |
| MACH. = \pm 5° | | | | | |
| CHAM. = \pm 5° | | | | | |
| DRAWN R.JONEZ | | 8/26/15 | | | |
| CHECKED | | | | | |
| COMPUTER DATA BASE DRAWING | | APPROVED | | | |
| SCALE: NONE | | REV G | | | |
| SHEET 1 OF 1 | | | | | |

CABLE, TSM,
I/O FLYING LEADS

B DWG NO.
3004-318-XXX G