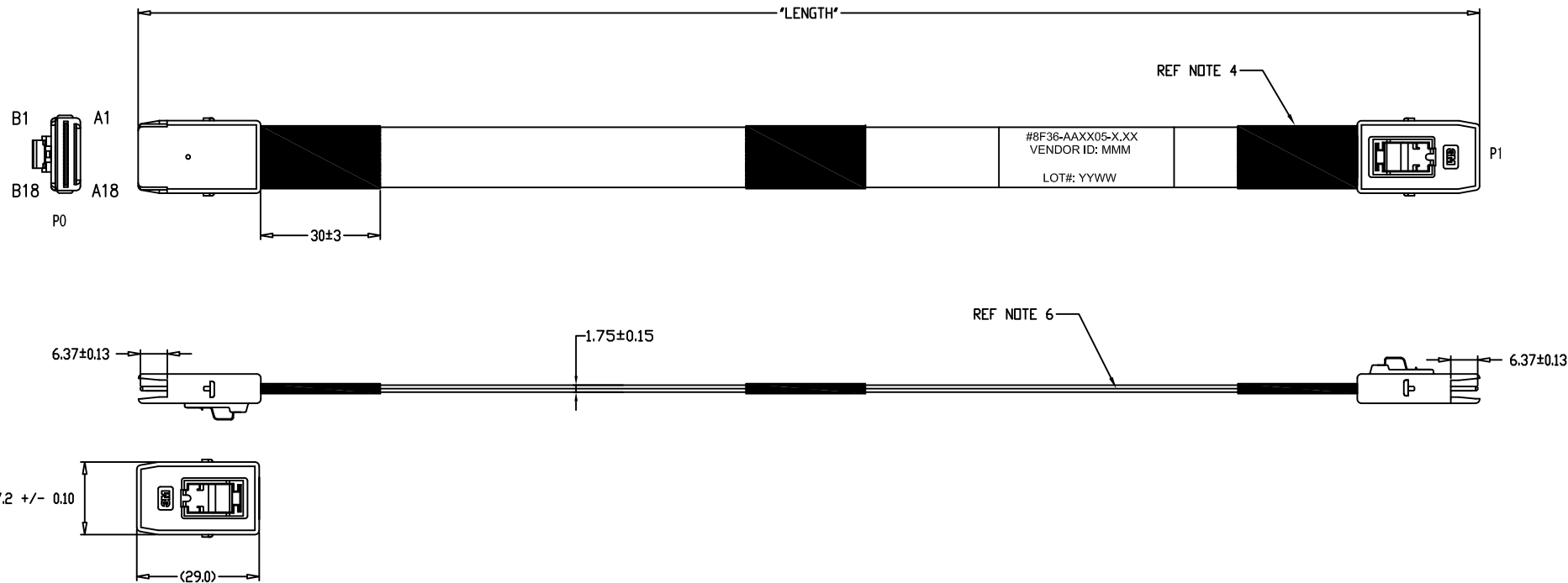


3M™ HIGH ROUTABILITY INTERNAL MINISAS CABLE ASSEMBLY, 8F36 SERIES

| REVISION RECORD |       |                 |      |      |
|-----------------|-------|-----------------|------|------|
| REV             | ECO   | DESCRIPTION     | DRFT | CHKD |
| A               | 30167 | RELEASED 8/9/10 | ML   | ML   |
|                 |       |                 |      |      |



8 F 36 - AA X X 05 - X.XX

LENGTH IN METERS

PINOUT (SEE PINOUTS ON SHEET 2)

- CABLE USED
- A 4-LANE WITH SIDEBANDS, SN-PLATED SIGNAL, CABLE P/N SL8801/12-111A5-00
  - B 4-LANE WITH SIDEBANDS, AG-PLATED SIGNAL, CABLE P/N SL8801/12-101A5-00
  - C 4-LANE (NO SIDEBANDS), SN-PLATED SIGNAL, CABLE P/N SL8802/08-211N5-00
  - D 4-LANE (NO SIDEBANDS), AG-PLATED SIGNAL, CABLE P/N SL8802/08-201N5-00

1. ROHS COMPLIANT. SEE REGULATORY INFORMATION APPENDIX IN "ROHS COMPLIANCE" SECTION AT WWW.3M.COM/INTERCONNECT (E1 & C1 APPLY)
2. PADDLECARD PLATING: 30u" MIN. GOLD PLATING  
50u" MIN. NICKEL UNDERPLATING
3. MINISAS CABLE PLUG DIMENSIONS SHALL CONFORM WITH SFF-8086 AND SFF-8087 STANDARDS.
4. CLOTH TAPE WRAPPED AROUND CABLE RIBBONS AT BACK OF EACH CONNECTOR. ALSO, UP TO 2 ADDITIONAL TAPE PIECES WILL BE WRAPPED AROUND THE TWO CABLE RIBBONS SPACED EQUIDISTANT FROM THE CONNECTOR ENDS, AND EACH OTHER, DEPENDING ON ASSY LENGTH (L):  
L <= 0.2 M NO ADDITIONAL TAPE  
0.2 M < L <= 0.6 M 1 TAPE WRAP  
0.6 M < L <= 1.0 M 2 TAPE WRAPS
5. PRODUCT SPECIFICATION: #PS-0082
6. TWO RIBBONS OF 3M RIBBON TWIN AXIAL CABLE
7. THIS UNIQUE CABLE CONSTRUCTION HAS A THIN ALUMINUM INNER LAYER EXPOSED AT EACH EDGE. USERS SHOULD ASSESS WHETHER THE EXPOSED EDGE PRESENTS A SHORTING RISK IN THEIR SPECIFIC APPLICATION. INSULATING TAPE MAY BE APPLIED AT THE CABLE ASSEMBLY LEVEL, AS NEEDED, TO COVER THIS EXPOSED EDGE IN RISK AREAS.

| DESIGN REF     |                            | NEXT ASSY XX-XXXX-XXXX-X |                                                                                                                                                                                           | NOTES        |                                                                                     |                               |                                                                               |                        |
|----------------|----------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------|------------------------|
| DETACHED LISTS | SCALE: X                   |                          | DFTG M LAMBERT                                                                                                                                                                            | DATE 6/25/10 | 3M Austin Center<br>Austin, Texas<br>78726                                          | DIVISION ELECTRONIC SOLUTIONS | MODEL                                                                         |                        |
|                | TOLERANCES EXCEPT AS NOTED |                          | CHKD                                                                                                                                                                                      | DATE         |                                                                                     | DIVISION CODE                 |                                                                               |                        |
|                |                            |                          |                                                                                                                                                                                           | DATE         |                                                                                     |                               |                                                                               |                        |
|                |                            |                          | MFG                                                                                                                                                                                       | DATE         | TITLE<br>CUSTOMER DWG. CABLE ASSEMBLY,<br>INTERNAL 36P MINISAS<br>RIBBON TWIN AXIAL |                               |                                                                               |                        |
|                |                            |                          | APPVL                                                                                                                                                                                     | DATE         |                                                                                     |                               |                                                                               |                        |
|                |                            |                          | THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO 3M COMPANY. NO REPRODUCTION OR PUBLICATION OF THIS DOCUMENT, IN WHOLE OR IN PART, SHALL BE MADE WITHOUT AUTHORIZATION FROM 3M. |              |                                                                                     |                               |                                                                               |                        |
|                |                            |                          | INTERPRET PER ANSI Y14.5M-1982                                                                                                                                                            |              |                                                                                     |                               |                                                                               |                        |
|                | MATERIAL XXX               |                          | FINISH XXX                                                                                                                                                                                |              |                                                                                     |                               |                                                                               | THIRD ANGLE PROJECTION |
|                |                            |                          |                                                                                                                                                                                           |              | FSCM NO.                                                                            | SIZE C                        | DRAWING NO. 78-5100-2363-9                                                    | REV A                  |
|                |                            |                          |                                                                                                                                                                                           |              | DO NOT SCALE DRAWING                                                                |                               | DET LISTS <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | SHT 1 OF 2             |

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3M™ HIGH ROUTABILITY INTERNAL MINISAS CABLE ASSEMBLY, 8F36 SERIES

REV

ECO

DESCRIPTION

DRFT

CHKD

A30167RELEASED 8/9/10MLML

PINOUT 1  
BACKPLANE-TO-CONTROLLER

| P1  |          | P2  |          |
|-----|----------|-----|----------|
| A1  | GND      | B1  | GND      |
| A2  | Rx 0+    | B2  | Tx 0+    |
| A3  | Rx 0-    | B3  | Tx 0-    |
| A4  | GND      | B4  | GND      |
| A5  | Rx 1+    | B5  | Tx 1+    |
| A6  | Rx 1-    | B6  | Tx 1-    |
| A7  | GND      | B7  | GND      |
| A8  | SIDEBAND | B8  | SIDEBAND |
| A9  | SIDEBAND | B9  | SIDEBAND |
| A10 | SIDEBAND | B10 | SIDEBAND |
| A11 | SIDEBAND | B11 | SIDEBAND |
| A12 | GND      | B12 | GND      |
| A13 | Rx 2+    | B13 | Tx 2+    |
| A14 | Rx 2-    | B14 | Tx 2-    |
| A15 | GND      | B15 | GND      |
| A16 | Rx 3+    | B16 | Tx 3+    |
| A17 | Rx 3-    | B17 | Tx 3-    |
| A18 | GND      | B18 | GND      |

Note:  
1. A1, A4, A7, A12, A15, A18, B1, B4, B7, B12, B15, AND B18  
ARE ALL REFERENCE GROUNDS AND ARE SHORTED TOGETHER  
THROUGH THE PADDLECARD GROUND PLANES

PINOUT 3  
BACKPLANE-TO-CONTROLLER (NO SIDEBANDS)

| P1  |          | P2  |          |
|-----|----------|-----|----------|
| B1  | GND      | A1  | GND      |
| B2  | Tx 0+    | A2  | Rx 0+    |
| B3  | Tx 0-    | A3  | Rx 0-    |
| B4  | GND      | A4  | GND      |
| B5  | Tx 1+    | A5  | Rx 1+    |
| B6  | Tx 1-    | A6  | Rx 1-    |
| B7  | GND      | A7  | GND      |
| B8  | SIDEBAND | A8  | SIDEBAND |
| B9  | SIDEBAND | A9  | SIDEBAND |
| B10 | SIDEBAND | A10 | SIDEBAND |
| B11 | SIDEBAND | A11 | SIDEBAND |
| B12 | GND      | A12 | GND      |
| B13 | Tx 2+    | A13 | Rx 2+    |
| B14 | Tx 2-    | A14 | Rx 2-    |
| B15 | GND      | A15 | GND      |
| B16 | Tx 3+    | A16 | Rx 3+    |
| B17 | Tx 3-    | A17 | Rx 3-    |
| B18 | GND      | A18 | GND      |

Note:  
1. A1, A4, A7, A12, A15, A18, B1, B4, B7, B12, B15, AND B18  
ARE ALL REFERENCE GROUNDS AND ARE SHORTED TOGETHER  
THROUGH THE PADDLECARD GROUND PLANES  
2. A8-A11 AND B8-B11  
HAVE NO CONNECTIONS TO CABLE

(30)

(6)

#8F36-AAXX05-X.XX  
VENDOR ID:MMM  
LOT#:YYWW

(18)

(40)

DETACHED LISTS

SCALE: X

TOLERANCES EXCEPT AS NOTED

.0 ± mm

.00 ±

.000±

ANGLES ± X°

MATERIAL XXX

FINISH XXX

DFTG M LAMBERT

CHKD

DATE 8/9/10

DATE

DATE

DATE

DATE

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INTERPRET PER ANSI Y14.5M-1982

THIRD ANGLE PROJECTION

3M Austin Center Austin, Texas 78726

DIVISION ELECTRONIC SOLUTIONS

DIVISION CODE

MODEL

TITLE CUSTOMER DWG. CABLE ASSEMBLY, INTERNAL 36P MINISAS RIBBON TWIN AXIAL

FSCM NO.

SIZE C

DRAWING NO. 78-5100-2363-9

REV A

DO NOT SCALE DRAWING

DET LISTS ☐ YES ☒ NO

SHT 2 OF 2

Visit <http://www.3Mconnector.com>

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DRAWING NO. 78-5100-2363-9