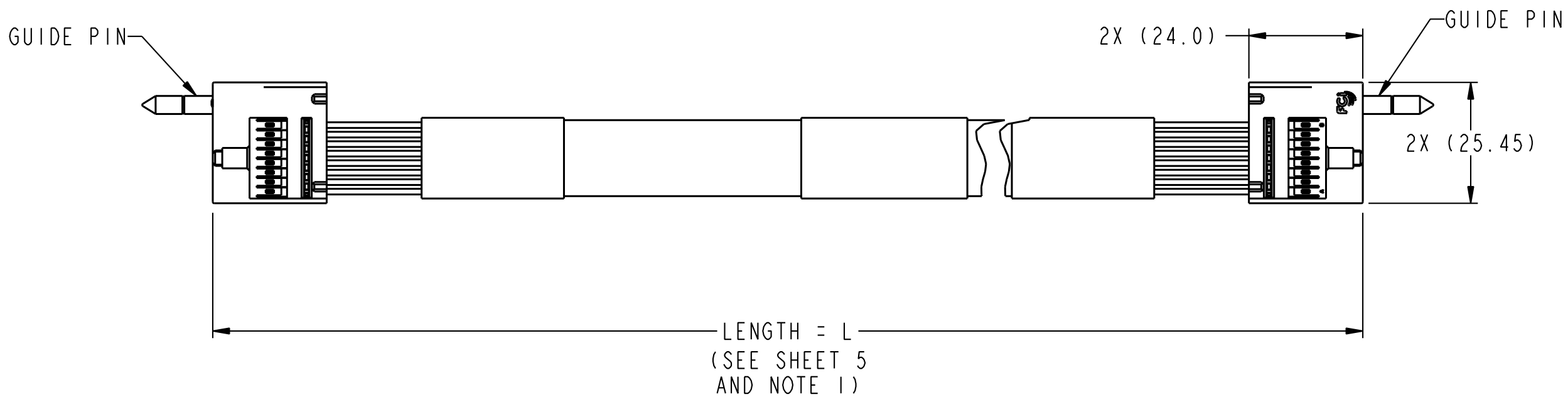
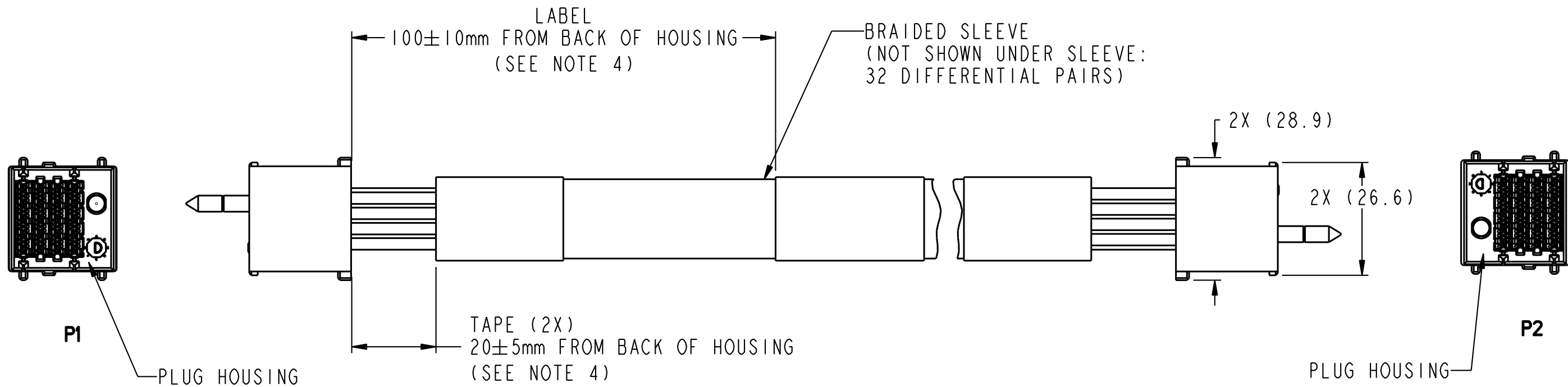


| | |
|--------------------|--|
| FCI PART NUMBER | DESCRIPTION |
| 10129953-TXXXXYYLF | EXaMAX IO 2.0mm 4-PAIR 8-COLUMN SINGLE PAIR CABLE ASSEMBLY |

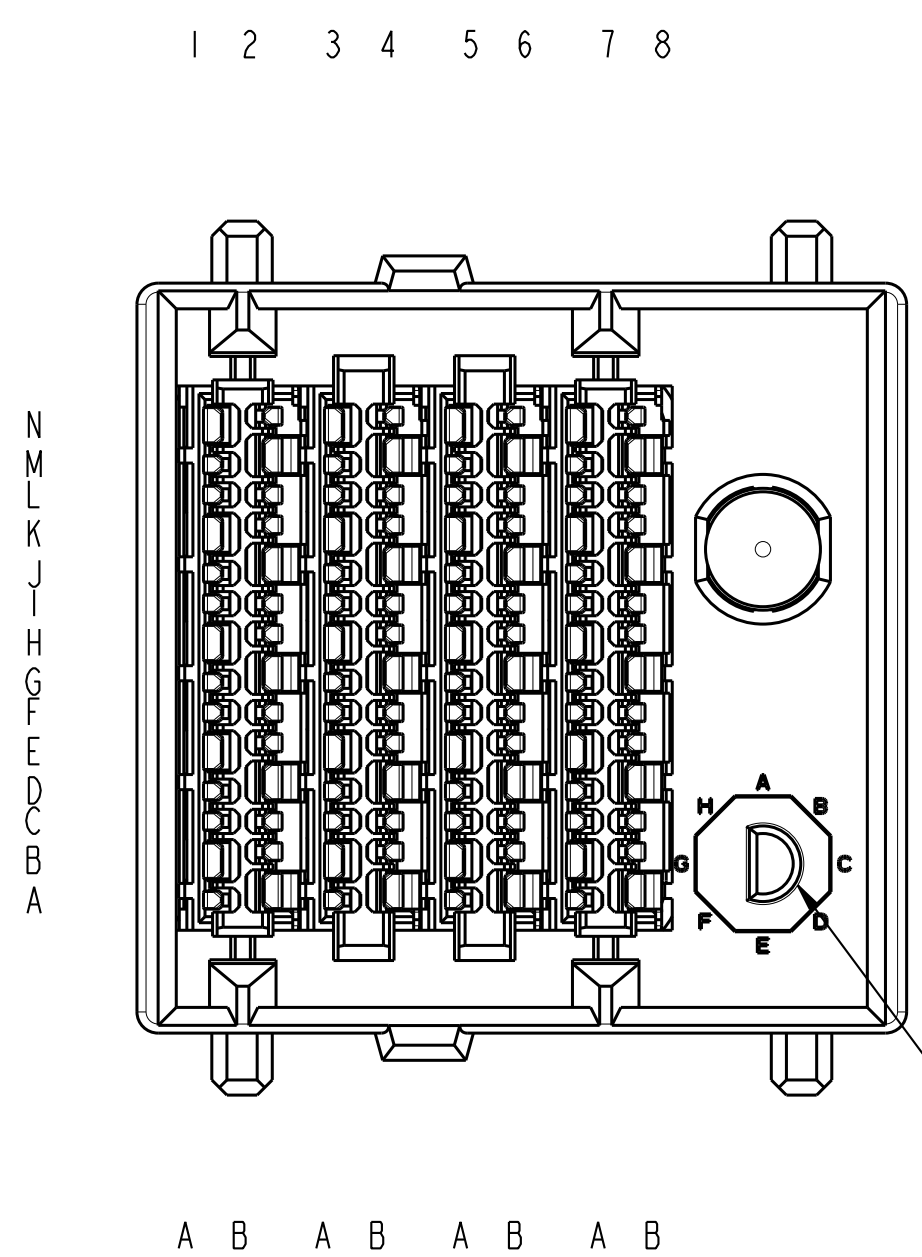


| | | | | | | | | | | |
|---------------------------------------|------------|-------------|----------|------------|-----------------------|----|------------------------|--------------|---------|-----|
| spec ref | - | dr | J. WINEY | 2014-09-19 | projection | mm | size | A3 | scale | 1:1 |
| tolerance std | ASME Y14.5 | eng | K. WEBER | 2014-09-19 | | | ecn no | rel level | In Work | rev |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | K. WEBER | 2014-09-19 | | | | | | |
| surface | ✓ | appr | | | product family | - | | | | |
| linear | 0.X ± | | | title | EXAMAX IO 2.0mm PITCH | | dwg no | 10129953 | | 2 |
| | 0.XX ± | www.fci.com | | cat. no. | - | | Product - Customer Drw | sheet 1 of 6 | | |
| | 0.XXX ± | | | | | | | | | |
| angular | 0° ± | | | | | | | | | |



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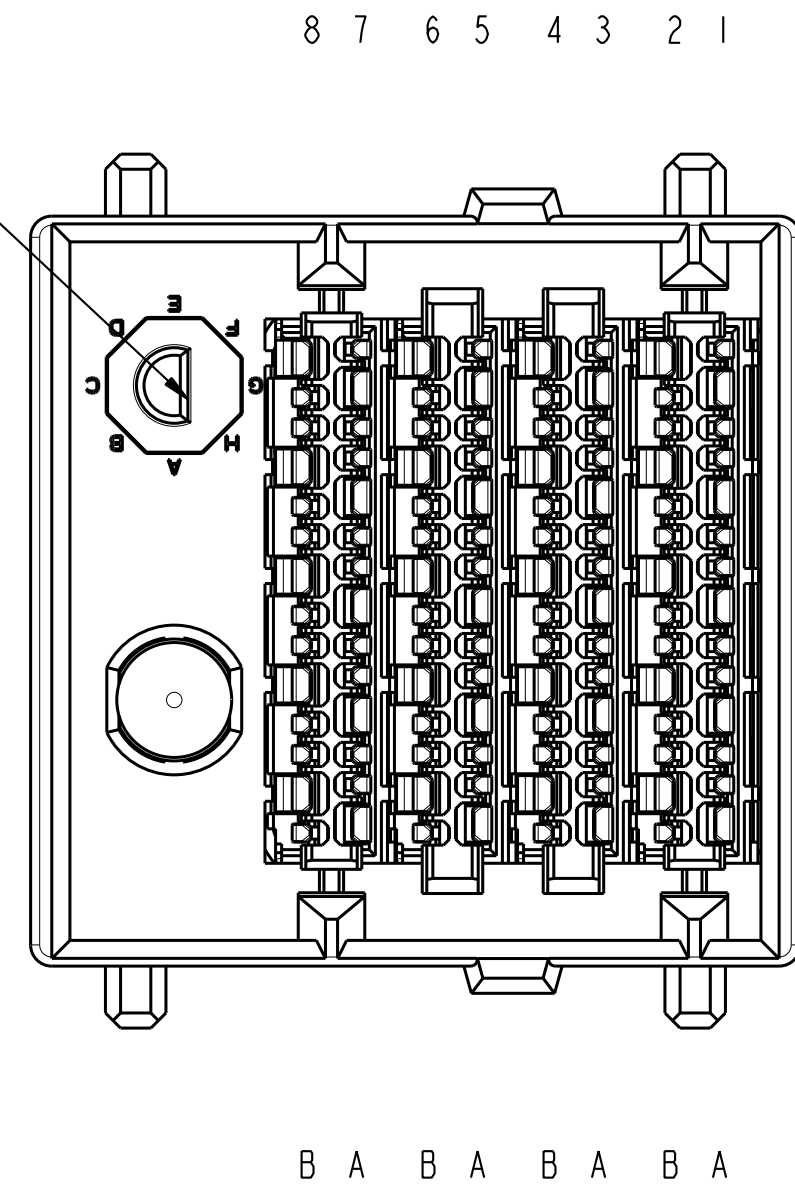
| | |
|--------------------|--|
| FCI PART NUMBER | DESCRIPTION |
| 10129953-TXXXXYYLF | EXaMAX IO 2.0mm 4-PAIR 8-COLUMN SINGLE PAIR CABLE ASSEMBLY |



P1
SCALE 4:1

KEY PIN
(OPTIONAL)
SEE NOTE 13

KEY PIN
(OPTIONAL)
SEE NOTE 13



P2
SCALE 4:1

| | | | | | | | | | | |
|---------------|---------------------------------------|---------|----------|------------|-------------|------------|--|-----------|-----------------|-----|
| spec ref | - | dr | J. WINEY | 2014-09-19 | projection | mm | size | A3 | scale | 1:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | K. WEBER | 2014-09-19 | | | ecn no | rel level | In Work | rev |
| ASME Y14.5 | | chr | K. WEBER | 2014-09-19 | | | | | | |
| surface | | linear | 0.X | ± | | | | | | |
| ✓ | | angular | 0° | ±° | | | | | | |
| | linear | 0.XX | ± | | | | | | | |
| | | linear | 0.XXX | ± | | | title EXAMAX IO 2.0mm PITCH PASSIVE LATCH BACK PLANE CABLE ASSY | | dwg no 10129953 | 2 |
| | | angular | 0° | ±° | www.fci.com | cat. no. - | Product - Customer Drw | | sheet 2 of 6 | |

| | |
|--------------------|--|
| FCI PART NUMBER | DESCRIPTION |
| 10129953-TXXXXYYLF | EXaMAX IO 2.0mm 4-PAIR 8-COLUMN SINGLE PAIR CABLE ASSEMBLY |

PIN-OUT CONFIGURATION (P1 & P2)

SEE NOTE 18

| | | | | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| GND | LS2 | GND | LS4 | GND | LS6 | GND | LS8 | N |
| TX1+ | GND | TX5+ | GND | TX9+ | GND | TX13+ | GND | M |
| TX1- | TX3+ | TX5- | TX7+ | TX9- | TX11+ | TX13- | TX15+ | L |
| GND | TX3- | GND | TX7- | GND | TX11- | GND | TX15- | K |
| TX2+ | GND | TX6+ | GND | TX10+ | GND | TX14+ | GND | J |
| TX2- | TX4+ | TX6- | TX8+ | TX10- | TX12+ | TX14- | TX16+ | I |
| GND | TX4- | GND | TX8- | GND | TX12- | GND | TX16- | H |
| RX2- | GND | RX6- | GND | RX10- | GND | RX14- | GND | G |
| RX2+ | RX4- | RX6+ | RX8- | RX10+ | RX12- | RX14+ | RX16- | F |
| GND | RX4+ | GND | RX8+ | GND | RX12+ | GND | RX16+ | E |
| RX1- | GND | RX5- | GND | RX9- | GND | RX13- | GND | D |
| RX1+ | RX3- | RX5+ | RX7- | RX9+ | RX11- | RX13+ | RX15- | C |
| GND | RX3+ | GND | RX7+ | GND | RX11+ | GND | RX15+ | B |
| LS1 | GND | LS3 | GND | LS5 | GND | LS7 | GND | A |
| A | B | A | B | A | B | A | B | |



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| | | | | | | | | | | | | |
|---------------|---------------------------------------|--------------|-------------|--------------|------------------|-----------------------|-----------|----------|----------|------------------------|-----|---|
| spec ref - | | dr J. WINEY | 2014-09-19 | projection | mm ↔ | size A3 | scale 1:1 | | | | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng K. WEBER | 2014-09-19 | | | ecn no | rel level | In Work | | | | |
| ASME Y14.5 | | chr K. WEBER | 2014-09-19 | | product family - | | | | | | | |
| surface ✓ | | linear | 0.X ± | | title | EXAMAX IO 2.0mm PITCH | dwg no | 10129953 | | | | |
| | | 0.XX ± | www.fci.com | | | | | | cat. no. | Product - Customer Drw | rev | 2 |
| | angular | 0° ±° | | | | | | | | | | |
| | | | | sheet 3 of 6 | | | | | | | | |

| IMLA WIRING LIST | | |
|------------------|--|-------------|
| P1 END | | P2 END |
| IMLA COLUMN | | IMLA COLUMN |
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | | 8 |

| DETAILED WIRING LIST for COLUMN 1 (A IMLA) (SEE NOTE 16) | | | | |
|--|----------------|--------|----------|----------------|
| P1 END | | P2 END | | |
| POSITION | SYMBOL | | POSITION | SYMBOL |
| NI | GND | ----- | BI | GND |
| MI | TX1+ | | CI | RX1+ |
| LI | TX1- | | DI | RX1- |
| KI | GND | ----- | EI | GND |
| JI | TX2+ | | FI | RX2+ |
| II | TX2- | | GI | RX2- |
| HI | GND | ----- | HI | GND |
| GI | RX2- | | II | TX2- |
| FI | RX2+ | | JI | TX2+ |
| EI | GND | ----- | KI | GND |
| DI | RX1- | | LI | TX1- |
| CI | RX1+ | | MI | TX1+ |
| BI | GND | ----- | NI | GND |
| AI | LS1 | ----- | AI | LS1 |

| DETAILED WIRING LIST for COLUMN 2 (B IMLA) (SEE NOTE 16) | | | | |
|--|----------------|--------|----------|----------------|
| P1 END | | P2 END | | |
| POSITION | SYMBOL | | POSITION | SYMBOL |
| N2 | LS2 | ----- | N2 | LS2 |
| M2 | GND | ----- | A2 | GND |
| L2 | TX3+ | | B2 | RX3+ |
| K2 | TX3- | | C2 | RX3- |
| J2 | GND | ----- | D2 | GND |
| I2 | TX4+ | | E2 | RX4+ |
| H2 | TX4- | | F2 | RX4- |
| G2 | GND | ----- | G2 | GND |
| F2 | RX4- | | H2 | TX4- |
| E2 | RX4+ | | I2 | TX4+ |
| D2 | GND | ----- | J2 | GND |
| C2 | RX3- | | K2 | TX3- |
| B2 | RX3+ | | L2 | TX3+ |
| A2 | GND | ----- | M2 | GND |

| | | | | | | | | | | | |
|---------------|---------------------------------------|------|----------|------------|----------------|----------|-----------------------|------------------------|--------------|-----|---|
| spec ref | - | dr | J. WINEY | 2014-09-19 | projection | | size | A3 | scale | 1:1 | |
| tolerance std | ASME Y14.5 | eng | K. WEBER | 2014-09-19 | mm | | ecn no | | | | |
| | TOLERANCES UNLESS OTHERWISE SPECIFIED | chr | K. WEBER | 2014-09-19 | product family | - | rel level | In Work | | | |
| surface | | appr | | | | | | | | | |
| | linear | | | | | title | EXAMAX 10 2.0mm PITCH | dwg no | 10129953 | rev | 2 |
| | angular | | | | www.fci.com | cat. no. | - | Product - Customer Drw | sheet 4 of 6 | | |

10129953-TXXXXYYLF

CABLE IDENTIFICATION INFORMATION

| "T" | WIRE SIZE | DESCRIPTION |
|-----|-----------|--------------------------------------|
| A | 30 AWG | 30AWG, HIGH SPEED SINGLE PAIR, CABLE |
| B | 26 AWG | 26AWG, HIGH SPEED SINGLE PAIR, CABLE |

30AWG PART NUMBERS

LENGTH (DIM "L") = METERS

| CABLE ASSEMBLY PART NUMBER | = | METER(S) |
|----------------------------|---|----------|
| 10129953-A0050YYLF | = | 0.50 |
| 10129953-A0100YYLF | = | 1.00 |
| 10129953-A0150YYLF | = | 1.50 |
| 10129953-A0200YYLF | = | 2.00 |
| 10129953-A0250YYLF | = | 2.50 |
| 10129953-A0300YYLF | = | 3.00 |
| 10129953-A0350YYLF | = | 3.50 |
| 10129953-A0400YYLF | = | 4.00 |
| 10129953-A0450YYLF | = | 4.50 |
| 10129953-A0500YYLF | = | 5.00 |
| 10129953-A0550YYLF | = | 5.50 |
| 10129953-A0600YYLF | = | 6.00 |

26AWG PART NUMBERS

LENGTH (DIM "L") = METERS

| CABLE ASSEMBLY PART NUMBER | = | METER(S) |
|----------------------------|---|----------|
| 10129953-B0050YYLF | = | 0.50 |
| 10129953-B0100YYLF | = | 1.00 |
| 10129953-B0150YYLF | = | 1.50 |
| 10129953-B0200YYLF | = | 2.00 |
| 10129953-B0250YYLF | = | 2.50 |
| 10129953-B0300YYLF | = | 3.00 |
| 10129953-B0350YYLF | = | 3.50 |
| 10129953-B0400YYLF | = | 4.00 |
| 10129953-B0450YYLF | = | 4.50 |
| 10129953-B0500YYLF | = | 5.00 |
| 10129953-B0550YYLF | = | 5.50 |
| 10129953-B0600YYLF | = | 6.00 |

| MODULE DESCRIPTION | DESIGNATION REPRESENTED IN DASH NUMBER | | | | | | | | |
|-----------------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------|
| W/O END GUIDE MODULE | 01 | | | | | | | | |
| RIGHT GUIDANCE MODULE | 1A | 1B | 1C | 1D | 1E | 1F | 1G | 1H | 1J (NO KEY) |
| | | | | | | | | | |
| LEFT GUIDANCE MODULE | 1L | 1M | 1N | 1P | 1R | 1T | 1U | 1V | 1W (NO KEY) |
| | | | | | | | | | |

| | | | | | | | | | | |
|---------------------------------------|------------|------|----------|------------|-------------------------------------|---|--------------|-----------|------------------------|-----|
| spec ref | - | dr | J. WINEY | 2014-09-19 | projection | | size | A3 | scale | 1:1 |
| tolerance std | ASME Y14.5 | eng | K. WEBER | 2014-09-19 | product family | - | ecn no | rel level | In Work | rev |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | K. WEBER | 2014-09-19 | | | | | | |
| surface | ✓ | appr | | | EXAMAX 10 2.0mm PITCH | | 10129953 | | 2 | |
| | linear | 0.X | ± | | PASSIVE LATCH BACK PLANE CABLE ASSY | | cat. no. | | Product - Customer Drw | |
| | | 0.XX | ± | | www.fci.com | | sheet 5 of 6 | | | |
| | angular | 0° | ±° | | | | | | | |



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| | |
|------------------|--|
| FCI PART NUMBER | DESCRIPTION |
| 10129953-TXXXXLF | EXdMAX IO 2.0mm 4-PAIR 8-COLUMN SINGLE PAIR CABLE ASSEMBLY |

NOTES:

1. ASSEMBLED LENGTH TOLERANCE: $\pm 2\%$ OF LENGTH
2. CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
RETENTION BAR: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
PLASTIC WOVEN BRAID: PET
TAPE: TBD
LABEL: TBD
3. CONTACT PLATING:
SEPARABLE INTERFACE:
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-1096 INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995) CENTRAL OFFICE TEST SEQUENCE
4. LABEL DETAILS:
MANUFACTURE CODE OR NAME
FCI PART NUMBER - REVISION
DATA CODE (YYYY/MM/DD FORMAT) - SERIAL #
COUNTRY OF ORIGIN

FONT SHALL BE CLEARLY VISIBLE AND BLACK IN COLOR
5. CABLE PACKAGING PER FCI GLOBAL STANDARD: GS-14-1272
6. PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION
7. LEAD FREE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004
8. REFERENCE APPLICATION SPEC: GS-20-0412
9. ALL CABLE ASSEMBLIES SHALL BE TESTED 100% FOR CONTINUITY AS DEFINED IN WIRING LIST
10. UNLESS OTHERWISE SPECIFIED ALL CABLE ASSEMBLIES SHALL BE 100% HI-POT TESTED BY APPLYING 300V DC FOR MINIMUM OF 10ms, UNLESS ACTIVE COMPONENTS ARE USED IN THE ASSEMBLY
11. A " \triangle " SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION. THE CURRENT REVISION WILL BE SHOWN IN THE SYMBOL
12. MATING BOARD CONNECTOR P/N: 10121056-11KLF
13. UNLESS OTHERWISE SPECIFIED, KEY/KEY BUSHING IS NOT INCLUDED
14. CONNECTOR ASSEMBLIES SHOWN ARE FOR REFERENCE ONLY AND MAY NOT SHOW ALL PART DETAIL. REFERENCE CONNECTOR ASSEMBLY DRAWINGS FOR COMPLETE DETAILS
15. FINISHED ASSEMBLY SHALL BE IN A SUITABLY SIZED POLY BAG OR EQUIVALENT
16. WIRING LIST IS SHOWN FOR COLUMNS 1 AND 2. ALL OTHER COLUMNS FOLLOW THE SAME PATTERN AS SHOWN IN THE IMLA WIRING LIST
17. APPLICABLE PANEL MOUNTING BRACKET PART NUMBERS:
SINGLE PORT: 10127037-101
DUAL PORT: 10127037-102
FOUR PORT: 10127037-104
18. PINS FOR LOW-SPEED CIRCUITS LI-L8 ARE NOT TERMINATED



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| | | | | | | | | | | | |
|---------------------------------------|------------|---------|----------|------------|----------------|--|------------|---------|------------------------|--------------|------|
| spec ref | - | dr | J. WINEY | 2014-09-19 | projection | | mm | size | A3 | scale | 3:10 |
| tolerance std | ASME Y14.5 | eng | K. WEBER | 2014-09-19 | chr | K. WEBER | 2014-09-19 | ecn no | | rel level | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | appr | | | product family | | - | In Work | | | |
| surface | ✓ | linear | 0.X | ± | | EXAMAX IO 2.0mm PITCH PASSIVE LATCH BACK PLANE CABLE ASSY | cat. no. | - | Product - Customer Drw | sheet 6 of 6 | rev |
| | | | 0.XX | ± | | | | | | | |
| | | | 0.XXX | ± | | | | | | | |
| | | angular | 0° | ±° | | | | | | | |