

1 2 3 4 5 6 7 8  
 1 0 1 1 5 0 9 1 - X 0 E - X X X L F

8-COLUMN DIFFERENTIAL SIGNAL

LEAD-FREE DESIGNATION ONLY WITH APPLICABLE PLATING CODES

| LETTER | PLATING (SEE NOTE 6) |                               |
|--------|----------------------|-------------------------------|
|        | APPLICATION          | TYPE (REFERENCE)              |
| B      | TELCORDIA CO         | 0.76um GOLD or GXT            |
| C      | TELCORDIA UE         | 1.27um GOLD                   |
| D      | TELCORDIA CO         | 0.76um GOLD or GXT, LEAD-FREE |
| E      | TELCORDIA UE         | 1.27um GOLD, LEAD-FREE        |

| NUMBER | GUIDE PIN STYLE (SEE NOTE 8) |
|--------|------------------------------|
| 0      | STANDARD GUIDE PIN, MACHINED |
| 1      | STANDARD GUIDE PIN, ROLLED   |

| NUMBER | CONTACT MATING WIPE LENGTH |        | COMPLIANT TAIL TYPE (SEE NOTE 9) |
|--------|----------------------------|--------|----------------------------------|
|        | SIGNAL                     | GROUND |                                  |
| 1      | 2 MM                       | 4 MM   | 0.55 (0.0217") DRILL             |
| 2      | 3 MM                       | 4 MM   | 0.55 (0.0217") DRILL             |
| 3      | 2 MM                       | 4 MM   | 0.45 MICRO (0.0177") DRILL       |
| 4      | 3 MM                       | 4 MM   | 0.45 MICRO (0.0177") DRILL       |
| 5      | 2 MM                       | 3 MM   | 0.55 (0.0217") DRILL             |
| 6      | 3 MM                       | 3 MM   | 0.55 (0.0217") DRILL             |
| 7      | 2 MM                       | 3 MM   | 0.45 MICRO (0.0177") DRILL       |
| 8      | 3 MM                       | 3 MM   | 0.45 MICRO (0.0177") DRILL       |

FOR CUSTOM-LOADED MODULES, SEE INDIVIDUAL CUSTOM DRAWINGS WITH THE DRAWING-NUMBER FORMAT OF 10115091-XXXX, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET "YYYY" IS A SEQUENTIAL NUMBER BEGINNING WITH "0001".

| MODULE DESCRIPTION                             | LETTER DESIGNATION REPRESENTED IN DASH NUMBER |   |   |   |   |   |   |   |   |   | BASE MODULE |
|--|---|---|---|---|---|---|---|---|---|---|-------------|
| LEFT POLARIZING GUIDANCE MODULE (SEE SHEET 6)  | N   | J | A | B | C | D | E | F | G | H |             |
|  | NO KEY NO GUIDE PIN                           |   |   |   |   |   |   |   |   |   |             |
| RIGHT POLARIZING GUIDANCE MODULE (SEE SHEET 7) | Z   | Y | P | Q | R | S | T | U | V | W |             |
|  | NO KEY NO GUIDE PIN                           |   |   |   |   |   |   |   |   |   |             |
| OPEN MODULE (TWO WALL) (SEE SHEET 2)           | 0 (ZERO)                                      |   |   |   |   |   |   |   |   |   |             |
| LEFT WALL MODULE (SEE SHEET 3)                 | L   |   |   |   |   |   |   |   |   |   |             |
| RIGHT WALL MODULE (SEE SHEET 4)                | M   |   |   |   |   |   |   |   |   |   |             |
| FOUR WALL MODULE (SEE SHEET 5)                 | 1 (ONE)                                       |   |   |   |   |   |   |   |   |   |             |

|            | UNGROUNDED  | GROUNDED    |
|------------|-------------|-------------|
| FHS        | Ø2.35-Ø2.55 | Ø2.35-Ø2.55 |
| PAD        | N/A         | Ø5.50       |
| PLATED     | NO          | YES         |
| DRILL (mm) | 2.44mm      | 2.58mm      |
| DRILL (in) | 0.096"      | 0.1015"     |

| SCREW P/N      | DESCRIPTION  | BOARD THICKNESS |
|----------------|--|-----------------|
| 10091790-002LF | #2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER | 1.60-5.00mm     |
| 10091790-003LF | #2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER | 5.00-10.00mm    |

| spec ref | tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |     |
|----------|---------------|---------------------------------------|-------|-----|
|          | ISO 406       | 0.X                                   | ±0.3  |     |
|          | ISO 1101      | 0.XX                                  | ±0.10 |     |
|          |               | 0.XXX                                 | ±0.05 |     |
|          | ISO 1302      | angular                               | 0°    | ±2° |

|                     |                                  |                |        |           |                        |              |     |
|---------------------|----------------------------------|----------------|--------|-----------|------------------------|--------------|-----|
| dr Collins Lu       | 2011/07/27                       | projection     | mm     | size      | A2                     | scale        | 1:1 |
| eng Sandar Soe      | 2016/03/07                       |                | ←      | ecn no    | ELX-S-17624-1          |              |     |
| chr -               | -                                |                |        | rel level | Released               |              |     |
| appr Chen-Hong Tan  | 2016/03/17                       | product family | -      | cat. no.  | Product - Customer Drw | sheet 1 of 8 |     |
| <b>Amphenol FCI</b> | MODULE ASSEMBLY, XCEDE HD        |                | sig no | 10115091  |                        | rev          | E   |
| www.fci.com         | Vertical Header, 4 Pair 8 Column |                |        |           |                        |              |     |

Amphenol FCI

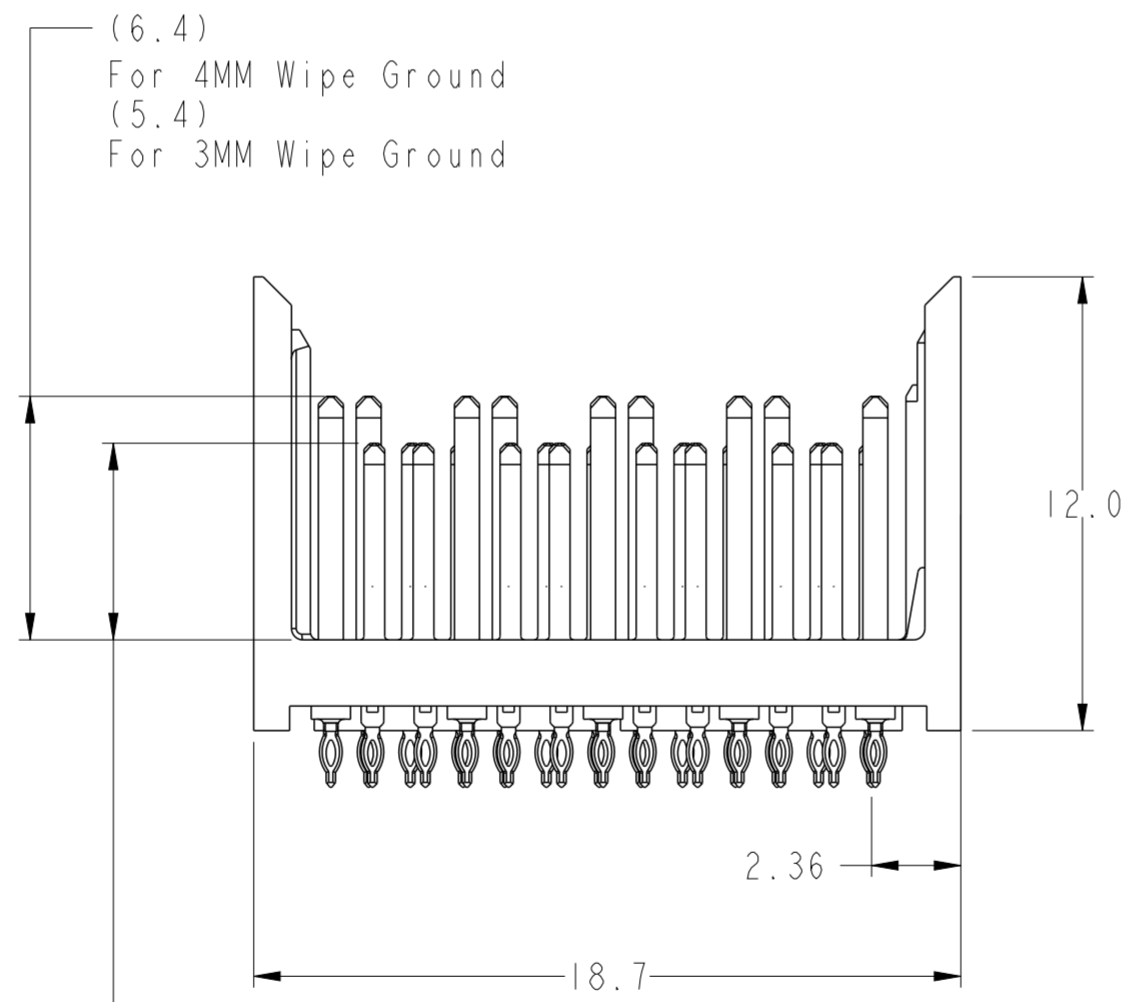
© 2016 AFCI



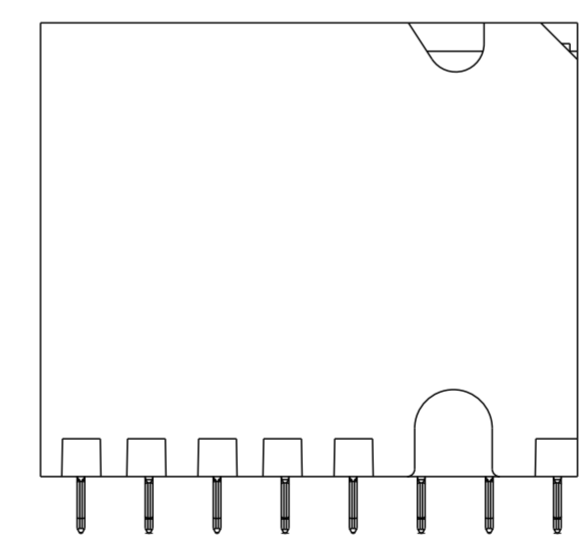
SEE DETAIL A  
On Sheet 8 For Details

BP HOLE PATTERN COMPONENT SIDE  
OPEN WALL MODULE BACKPLANE FOOTPRINT

OPEN WALL MODULE



(5.2)  
For 3MM Wipe Signal  
(4.2)  
For 2MM Wipe Signal



|                                       |                     |         |            |            |             |          |        |                           |              |          |               |            |                |
|---------------------------------------|---------------------|---------|------------|------------|-------------|----------|--------|---------------------------|--------------|----------|---------------|------------|----------------|
| spec ref                              | -                   | dr      | Collins Lu | 2011/07/27 | projection  | mm       | size   | A2                        | scale        | 1:1      |               |            |                |
| tolerance std                         | ISO 406<br>ISO 1101 | eng     | Sandar Soe | 2016/03/07 |             | mm       | ecn no | ELX-S-17624-1             | rel level    | Released |               |            |                |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |                     | chr     | -          | appr       |             |          |        |                           |              |          | Chen-Hong Tan | 2016/03/17 | product family |
| surface                               | ISO 1302            | linear  | 0.X        | ±0.3       |             |          | title  | MODULE ASSEMBLY, XCEDE HD |              | dwg no   | 10115091      | rev        | E              |
|                                       |                     | angular | 0°         | ±2°        | www.fci.com | cat. no. | -      | Product - Customer Drw    | sheet 2 of 8 |          |               |            |                |



LEFT WALL MODULE



SEE DETAIL A  
On Sheet 8 For Details



BP HOLE PATTERN COMPONENT SIDE  
LEFT WALL MODULE BACKPLANE FOOTPRINT

Amphenol  
FCi

© 2016 AFci

|                                       |                                       |             |               |  |                |                        |           |               |       |     |
|---------------------------------------|---------------------------------------|-------------|---------------|--|----------------|------------------------|-----------|---------------|-------|-----|
| spec ref                              | -                                     | dr          | Collins Lu    | 2011/07/27   | projection     | mm                     | size      | A2            | scale | 1:1 |
| tolerance std                         | ISO 406<br>ISO 1101                   | eng         | Sandar Soe    | 2016/03/07   |                | mm                     | ecn no    | ELX-S-17624-1 |       |     |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |                                       | chr         | -             | rel level  |                |                        |           | Released      |       |     |
| surface                               | ISO 1302                              | appr        | Chen-Hong Tan | 2016/03/17   | product family | -                      | rel level | Released      |       |     |
| linear                                | 0.X ±0.3<br>0.XX ±0.10<br>0.XXX ±0.05 |             |               | <b>MODULE ASSEMBLY, XCEDE HD</b><br>Vertical Header, 4 Pair 8 Column |                | dwg no                 | 10115091  |               | rev   | E   |
| angular                               | 0° ±2°                                | www.fci.com |               | cat. no.   | -              | Product - Customer Drw |           | sheet 3 of 8  |       |     |

PDS: Rev :E

STATUS:Released

Printed: Mar 17, 2016



RIGHT WALL MODULE



SEE DETAIL A  
On Sheet 8 For Details

BP HOLE PATTERN COMPONENT SIDE

RIGHT WALL MODULE BACKPLANE FOOTPRINT



(5.2)  
For 3MM Wipe Signal  
(4.2)  
For 2MM Wipe Signal

Amphenol  
FCi

© 2016 AFci

|                                       |                     |         |            |            |             |    |          |                           |           |              |               |
|---------------------------------------|---------------------|---------|------------|------------|-------------|----|----------|---------------------------|-----------|--------------|---------------|
| spec ref                              | -                   | dr      | Collins Lu | 2011/07/27 | projection  | mm | size     | A2                        | scale     | 1:1          |               |
| tolerance std                         | ISO 406<br>ISO 1101 | eng     | Sandar Soe | 2016/03/07 |             | mm | ecn no   | ELX-S-17624-1             | rel level | Released     |               |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |                     | chr     | -          | appr       |             |    |          |                           |           |              | Chen-Hong Tan |
| surface                               | ISO 1302            | linear  | 0.X        | ±0.3       |             |    | title    | MODULE ASSEMBLY, XCEDE HD |           | rev          | E             |
|                                       |                     | angular | 0°         | ±2°        | www.fci.com |    | cat. no. | Product - Customer Drw    |           | sheet 4 of 8 |               |

PDS: Rev :E

STATUS:Released

Printed: Mar 17, 2016



△ FOUR WALL MODULE

BP HOLE PATTERN COMPONENT SIDE

△ FOUR WALL MODULE BACKPLANE FOOTPRINT



Amphenol  
FCi

© 2016 AFCI

|                                       |                     |      |            |                                       |   |    |                    |               |                        |          |
|---------------------------------------|---------------------|------|------------|---------------------------------------|---|----|--------------------|---------------|------------------------|----------|
| spec ref                              | -                   | dr   | Collins Lu | 2011/07/27                            | projection  | mm | size               | A2            | scale                  | 1:1      |
| tolerance std                         | ISO 406<br>ISO 1101 | eng  | Sandar Soe | 2016/03/07                            |   | mm | ecn no             | ELX-S-17624-1 | rel level              | Released |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |                     | chr  | -          | appr                                  |   |    |                    |               |                        |          |
| surface                               | linear              | 0.X  | ±0.3       | <b>Amphenol</b><br>FCi<br>www.fci.com | MODULE ASSEMBLY, XCEDE HD<br>Vertical Header, 4 Pair 8 Column |    | dwg no<br>10115091 | rev<br>E      | Product - Customer Drw |          |
|                                       |                     | 0.XX | ±0.10      |                                       | cat. no.  | -  |                    |               | sheet 5 of 8           |          |
|                                       | angular             | 0°   | ±2°        |                                       |   |    |                    |               |                        |          |

PDS: Rev :E

STATUS:Released

Printed: Mar 17, 2016



LEFT POLARIZING/GUIDE MODULE



BP HOLE PATTERN COMPONENT SIDE  
LEFT POLARIZING GUIDE MODULE  
BACKPLANE FOOTPRINT



- (5.2) For 3MM Wipe Signal
- (4.2) For 2MM Wipe Signal
- (6.4) For 4MM Wipe Ground
- (5.4) For 3MM Wipe Ground

SEE NOTE 11 & TABLE 1

SEE DETAIL A  
OnSheet 8 For Details

|               |                                       |         |               |  |                |                    |           |               |           |                        |
|---------------|---------------------------------------|---------|---------------|--|----------------|--------------------|-----------|---------------|-----------|------------------------|
| spec ref      | -                                     | dr      | Collins Lu    | 2011/07/27   | projection     | mm                 | size      | A2            | scale     | 1:1                    |
| tolerance std | ISO 406<br>ISO 1101                   | eng     | Sandar Soe    | 2016/03/07   | chr            | -                  | ecn no    | ELX-S-17624-1 | rel level | Released               |
| surface       | ISO 1302                              | appr    | Chen-Hong Tan | 2016/03/17   | product family | -                  | rel level | Released      | cat. no.  | Product - Customer Drw |
| linear        | 0.X ±0.3<br>0.XX ±0.10<br>0.XXX ±0.05 | angular | 0° ±2°        | <b>Amphenol FCI</b><br>MODULE ASSEMBLY, XCEDE HD<br>Vertical Header, 4 Pair 8 Column |                | dwg no<br>10115091 | rev<br>E  |               |           |                        |



Optional Key See Sheet 1  
Part Number Tree

SEE NOTE 5

PIN A1

MODULE OUTLINE  
PIN A1 HOLE



SEE DETAIL A  
On Sheet 8 For Details



BP HOLE PATTERN COMPONENT SIDE  
RIGHT POLAIZING/GUIDE MODULE  
BACKPLANE FOOTPRINT

28.5±0.3



(5.2) For 3MM Wipe Signal  
(4.2) For 2MM Wipe Signal  
(6.4) For 4MM Wipe Ground  
(5.4) For 3MM Wipe Ground

|               |                                       |         |               |  |                |                    |          |                        |              |          |
|---------------|---------------------------------------|---------|---------------|--|----------------|--------------------|----------|------------------------|--------------|----------|
| spec ref      | -                                     | dr      | Collins Lu    | 2011/07/27   | projection     | mm                 | size     | A2                     | scale        | 1:1      |
| tolerance std | ISO 406<br>ISO 1101                   | eng     | Sandar Soe    | 2016/03/07   | chr            | -                  | ecn no   | ELX-S-17624-1          | rel level    | Released |
| surface       | ISO 1302                              | appr    | Chen-Hong Tan | 2016/03/17   | product family | -                  | cat. no. | Product - Customer Drw | sheet 7 of 8 |          |
| linear        | 0.X ±0.3<br>0.XX ±0.10<br>0.XXX ±0.05 | angular | 0° ±2°        | <b>Amphenol FCI</b><br>MODULE ASSEMBLY, XCEDE HD<br>Vertical Header, 4 Pair 8 Column |                | dwg no<br>10115091 | rev<br>E |                        |              |          |

| TABLE 3 |   |   |
|---------|---|---|
|         | COMPLIANT PIN<br>DRILL $\varnothing 0.55 [0.0217"]$ | COMPLIANT PIN<br>DRILL $\varnothing 0.45 [0.0177"]$ |
| PTH     | $\varnothing 0.45 \pm 0.05$                         | $\varnothing 0.36 \pm 0.05$                         |
| DRILL   | $\varnothing 0.55 [0.0217"]$                        | $\varnothing 0.45 [0.0177"]$                        |
| PAD     | $\varnothing 0.85$                                  | $\varnothing 0.75$                                  |



DETAIL A  
SCALE 12:1

NOTES:

- CONNECTOR MATERIALS  
SHROUD : HIGH-TEMP POLYMER, COLOR : BLACK, UL94V-0  
CONTACTS : HIGH PERFORMANCE COPPER ALLOY
- PRODUCT SPECIFICATION : GS-12-0936
- APPLICATION SPECIFICATION : GS-20-0348
- PRODUCT MARKING :  
PART NUMBER (10115091-XOE-XXXLF)  
"FCI" AND DATE CODE (FCI P#####)
- NOTCH DESIGNATES "ROW A" SIDE OF CONNECTOR. NOTCH FEATURE ON OPPOSITE FOR PRODUCT MARKING.
- PLATING THICKNESS OF SIGNAL & GROUND CONTACT ARE DETERMINED BY PLATING CODE, REFER TO P/N TREE ON SHEET 1.
- PACKAGING MEETS GS-14-920 LEAD-FREE LABELING SPECIFICATION.
- GUIDE-PIN STYLE DESIGNATION ONLY APPLIES TO MODULE VERSIONS THAT REQUIRE GUIDE-PIN HARDWARE. FOR ALL NON-GUIDE-PIN VERSIONS, THE DEFAULT DASH-NUMBER DIGIT IN THAT LOCATION IS STILL "0".
- SEE APPLICATION SPECIFICATION FOR ROUTING GUIDELINES, ADDITIONAL PTH GUIDELINES, MATED DIMENSIONS, GUIDE PIN SELECTION, ETC.
- A  $\triangle$  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE THAT HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
- OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 SHEET 1 FOR ADDITIONAL DETAILS.
- SCREW IS OPTIONAL AND ENGAGES WITH BOTTOM OF GUIDE PIN FROM BENEATH THE PCB FOR ADDITIONAL GUIDE-PIN SUPPORT.

Amphenol  
FCi

© 2016 AFci

|               |                     |         |            |               |             |    |                  |               |                        |                |   |         |
|---------------|---------------------|---------|------------|---------------|-------------|----|------------------|---------------|------------------------|----------------|---|---------|
| spec ref      | -                   | dr      | Collins Lu | 2011/07/27    | projection  | mm | size             | A2            | scale                  | 1:1            |   |         |
| tolerance std | ISO 406<br>ISO 1101 | eng     | Sandar Soe | 2016/03/07    |             |    | ecn no           | ELX-S-17624-1 | rel level              | Released       |   |         |
| surface       | ISO 1302            | chr     | -          | appr          |             |    | Chen-Hong Tan    | 2016/03/17    |                        | product family | Module Assembly, XCEDE HD<br>Vertical Header, 4 Pair 8 Column | diag no |
|               |                     | linear  | 0.X        | $\pm 0.3$     | www.fci.com |    | cat. no.         | -             | Product - Customer Drw | sheet 8 of 8   |   |         |
|               |                     |         | 0.XX       | $\pm 0.10$    | PDS: Rev :E |    | STATUS: Released |               | Printed: Mar 17, 2016  |                |   |         |
|               |                     |         | 0.XXX      | $\pm 0.05$    |             |    |                  |               |                        |                |   |         |
|               |                     | angular | 0°         | $\pm 2^\circ$ |             |    |                  |               |                        |                |   |         |





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.