

- ALL WIRE IS TYPE TXL UNLESS OTHERWISE SPECIFIED
- APPLY SECONDARY LOCKS & SEALS WHERE APPLICABLE
- CONNECTOR VIEWS ARE WIRE INSERTION SIDE UNLESS OTHERWISE NOTED

- SUPPLIER TO APPLY LABELS TO ALL CONNECTORS DESIGNATED WITH J\*\*\*\*, P\*\*\*\*, OR OTHER CONNECTOR TAG AND INCLUDE THE NAME (EX. "P5201 LEFT JOYSTICK")
- IF WIRE TIES ARE REQUIRED, APPLY APPROXIMATELY 2" BEFORE TERMINATING CONNECTOR
- ALL"CANH-x" AND "CANL-x" WIRES SHALL BE TWISTED PAIR, 0.67 TO 0.91 TWISTS PER INCH (REFERENCE SAE J1939-15).
- SPLICES MUST BE SOLDERED OR ULTRASONIC WELDED. OFFSET SPLICES TO AVOID THICKNESS BUILD-UP.
- WIRE BRAIDING TO BE APPLIED TO HARNESS UP TO 2" FROM BACK OF CONNECTORS

ITEM DESC. LINE 1  
ITEM DESC. LINE 2

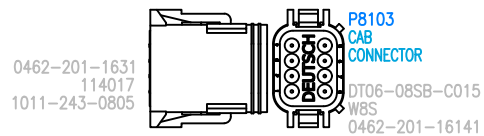
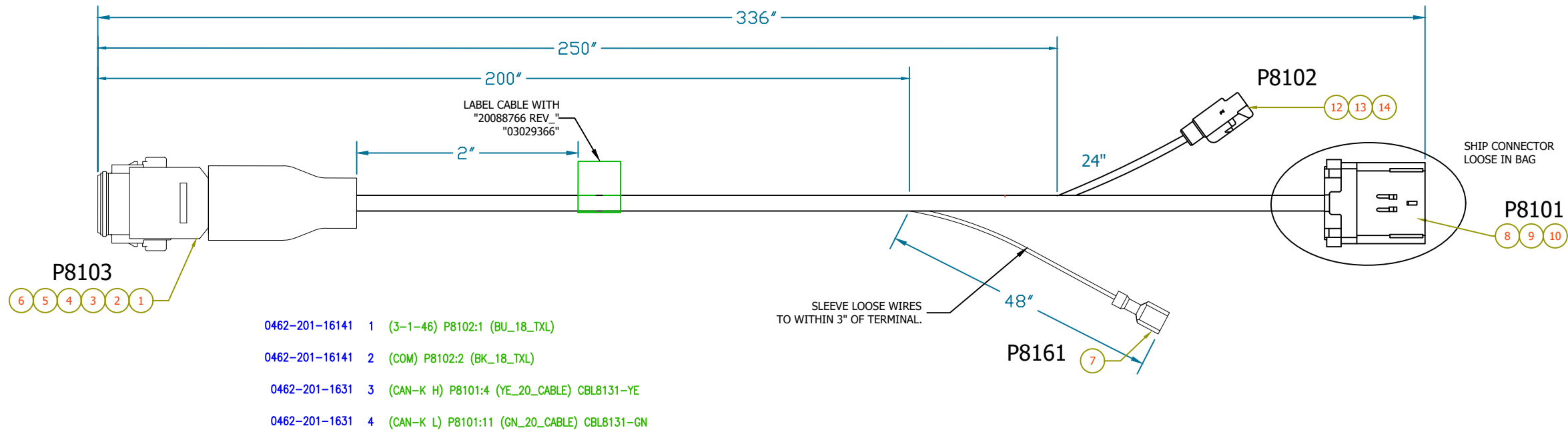
Part No. GSYYPPP-SSSS REV. R  
Serial No. YYDD-~~BBB~~  
I.D. No. ~~WWWW-WWWWWWWW-III~~

- 1. ITEM DESC. LINE 1
- 2. ITEM DESC. LINE 2
- 3. GSYPPP-SSSS REV. R
- 4. YYDDD-BBB
- 5. VVVVVV-WWWWWWWW-III

- 1.) FIRST LINE PRODUCT DESCRIPTION
- 2.) SECOND LINE PRODUCT DESCRIPTION
- 3.) YY --> PRODUCT YEAR; PPP --> PROJECT; SSSS --> SUB-PROJECT; R --> REVISION LEVEL
- 4.) YY --> YEAR OF MANUFACTURE; DDD--> SEQUENTIAL DAY OF YEAR; BBB --> SERIAL NUMBER WITHIN BATCH
- 5.) VVVVVV --> VENDOR ID or WWWWWWWW --> WORKER ID or III --> INITIALS

0462-201-16141 3 (1021) P7001:2 (BK-18) CBL1025

PIN — TERMINAL (WIRE NO.), DESTINATION: TERMINAL (WIRE COLOR-GAUGE) CABLE NO. - TWISTED PAIR IF APPLICABLE

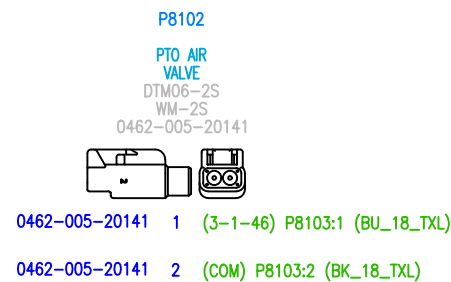


- |                |   |                                |
|----------------|---|--------------------------------|
| 0462-201-1631  | 5 | ( ) (DRAIN_20) CBL8131-BARE    |
| 0462-201-16141 | 6 | (IGNITION) P8101:7 (OG_18_TXL) |
| 0462-201-16141 | 7 | (3-1-11) P8161:1 (BU_18_TXL)   |
| 114017         | 8 | (1404) (CAVITY PLUG)           |

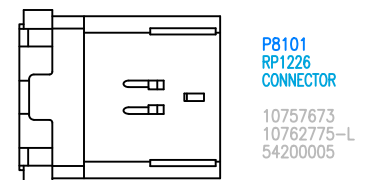
NOTE:  
CONTACT ENGINEERING REGARDING ANY QUESTIONS,  
CLARIFICATIONS, OR REQUESTED DEVIATIONS

CREATED DRAWING	BDELAAT	12-20-2022	BDELAAT	12-20-2022		A
REVISION DESCRIPTION	REVISED BY	DATE	REVIEWED BY	DATE	ECO	REV

ITEMS	PART NUMBER	CATALOG	MFG	DESCRIPTION	MISC1	QTY
1	19221614	DT06-08SB-C015	DEUTSCH	DEUTSCH PLUG DT 8 POS E SEAL B KEY	BLACK	1
2	19205213	W8S	DEUTSCH	WEDGELOCK	FOR DT06-08S* PLUG, NDRMAL SEAL RETENTION, 19205213	1
3	19200028	0462-201-16141	DEUTSCH	COMMON CONTACT SOCKET	NICKEL-PLATED SIZE 16, 16-20 AWG, 13A MAX CURRENT, 19200028	4
4	19200029	0462-201-1631	DEUTSCH	COMMON CONTACT SOCKET	GOLD-PLATED SIZE 16, 16-20 AWG, 13A MAX CURRENT, 19200029	3
5	19201283	114017	DEUTSCH	SEALING PLUG	CONTACT SIZE 12,16 FOR DT, HD, DR, & AE SERIES, 19201283	1
6	19207042	1011-243-0805	DEUTSCH	DT06-08S* BACKSHELL	180 DEG BACKSHELL, 8.5, 10, AND 13 MM TUBING	1
7	19205331	71F-250-32NL	3M	1/4 INCH FEMALE TERMINAL	22-18AWG, WAYTEK # 30513, 19205331	1
8	19214942	10757673	DELPHI	APEX 2.8MM MALE HOUSING LT GRAY 14W SEALED		1
9	19207389	10762775-L	DELPHI	APEX 2.8MM TERMINAL MALE 18-20 AWG UNSEALED SN		3
10	19202297	54200005	DELPHI	APEX 2.8MM CAVITY PLUG		11
11	19203911	FJ1939202-001	NORTHWIRE	SHIELDED TWISTED PAIR - J1939/11	1 TWISTED PAIR (19X32), XLPE, 125 DEG C, BARE COPPER DRAIN OUTSIDE SHIELD	1
12	19205242	WM-2S	DEUTSCH	WEDGELOCK	FOR DTM06-2S PLUG, NDRMAL SEAL RETENTION, 19205242	1
13	19203819	DTM06-2S	DEUTSCH	DEUTSCH PLUG DTM 2 POS	BLACK, 19203819	1
14	19202421	0462-005-20141	DEUTSCH	COMMON CONTACT SOCKET	NICKEL-PLATED SIZE 20, 16-18 AWG, 7.5A MAX CURRENT, 19202421	2





- |            |   |            |                                  |
|------------|---|------------|----------------------------------|
| 54200005   | 1 | ()         | (CAVITY PLUG)                    |
| 54200005   | 2 | ()         | (CAVITY PLUG)                    |
| 54200005   | 3 | ()         | (CAVITY PLUG)                    |
| 10762775-L | 4 | (CAN-K H)  | P8103:3 (YE_20_CABLE) CBL8131-YE |
| 54200005   | 5 | ()         | (CAVITY PLUG)                    |
| 54200005   | 6 | ()         | (CAVITY PLUG)                    |
| 10762775-L | 7 | (IGNITION) | P8103:6 (OG_18_TXL)              |



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54200005 8 () (CAVITY PLUG)
54200005 9 () (CAVITY PLUG)
54200005 10 () (CAVITY PLUG)
10762775-L 11 (CAN-K L) P8103:4 (GN_20_CABLE) CBL8131-GN
54200005 12 () (CAVITY PLUG)
54200005 13 () (CAVITY PLUG)
54200005 14 () (CAVITY PLUG)
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RELEASED

12-20-2022

|                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                          |  |                                                                                                                                          |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------|--|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES                                                                                                                                                                                                                                        |  | ORIGINATED BY:<br><b>SCHWARZKOPF</b><br>PROJECT DATE:<br><b>11-22-2022</b>                                                                                                                                                               |  |  <b>GLOBAL<br/>RESOURCES</b><br>MUKWONAGO, WI 53149 |  |
| WIRE LENGTH TOLERANCES<br>SPEC = IPC/WHMA-A-620B<br>> 1ft +1in -0in<br>> 1ft-5ft +2in -0in<br>> 5ft-10ft +4in -0in<br>> 10ft-25ft +6in -0in<br>> 25ft +5% -0%                                                                                                                                 |  | THIRD ANGLE<br>PROJECTION<br>                                                                                                                       |  | <b>BDELAAT</b><br>DESIGN ENGINEER<br><b>MKAJA</b><br>ACCOUNT MANAGER                                                                     |  |
|                                                                                                                                                                                                                                                                                               |  | MATERIAL:<br>-                                                                                                                                                                                                                           |  | DRAWING TITLE:<br><b>ROTATOR<br/>CAB HARNESS<br/>ASSEMBLY DRAWING</b>                                                                    |  |
| - FRACTIONS ± 1/16in ± 1.59mm<br>- TOLERANCES ON DECIMALS:<br>1 PLACE ± .030 2 PLACE ± .010 3 PLACE ± .005<br>in mm ± .76 ± .25 ± .13<br>- ANGULAR DIMENSIONS ± 1 DEG<br>DIMENSIONS IN ( ) ARE REFERENCE<br>- REMOVE BURRS<br>- BREAK EDGES 0.01IN 0.25MM MAX<br>- MAX SURFACE ROUGHNESS 125✓ |  | COATING/PLATING:<br>-<br>CUSTOMER PART NUMBER:<br><b>03029366</b>                                                                                                                                                                        |  | SHOT SIZE<br><b>D</b>                                                                                                                    |  |
|                                                                                                                                                                                                                                                                                               |  | ALL TECHNICAL DATA ON THIS DRAWING IS<br>THE PROPERTY OF GS GLOBAL RESOURCES INC.<br>AND SHALL NOT BE USED BY OTHERS FOR<br>MANUFACTURE, PROCUREMENT, OR<br>DISCLOSURE WITHOUT THE WRITTEN<br>PERMISSION OF:<br>GS GLOBAL RESOURCES INC. |  | DRAWING NUMBER<br><b>20088766</b>                                                                                                        |  |
|                                                                                                                                                                                                                                                                                               |  | DRAWING REFERENCE:<br>20088766                                                                                                                                                                                                           |  | REV<br><b>A</b>                                                                                                                          |  |
|                                                                                                                                                                                                                                                                                               |  | PLOT SCALE:<br><b>NONE</b>                                                                                                                                                                                                               |  | SHEET INFO:<br><b>1 OF 1</b>                                                                                                             |  |

1. HARNESS WIRING IS TO BE COVERED WITH BRAIDED EXPANDABLE PLASTIC SLEEVING.