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PRODUCTION TAG DETAILS: LABELS WILL CONTAIN THE FOLLOWING INFORMATION:



ITEM DESC. LINE 1
ITEM DESC. LINE 2

Part No. GS1YPPP-SSSS REV. R
Serial No. Y1ZDD-BBB
I.D. No. VVVVV-XXXXXXX-III

1. ITEM DESC. LINE 1

2. ITEM DESC. LINE 2

3. GS1YPPP-SSSS REV. R

4. Y1ZDD-BBB

5. VVVVV-XXXXXXX-III

1. FIRST LINE PRODUCT DESCRIPTION

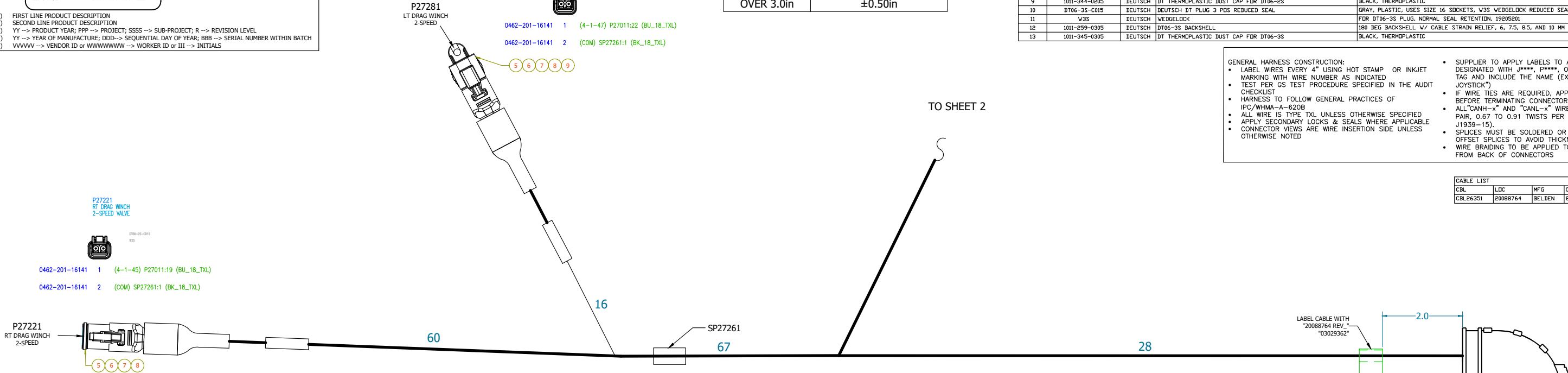
2. SECOND LINE PRODUCT DESCRIPTION

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. VVVVV -> VENDOR ID or VVVVVVVVV -> WORKER ID or III -> INITIALS

B



CABLE LENGTHS	TOLERANCE
ALL LENGTHS	+0.5in OF LENGTH -0in OF LENGTH
STRIP LENGTH	TOLERANCE
0-3.0in OVER 3.0in	±0.125in ±0.50in

BILL OF MATERIAL					
ITEMS	CATALOG	MFG	DESCRIPTION	MISC1	QTY
1	HDP26-24-31PE-L017	DEUTSCH	HDP20 31 PDS PLUG E-SEAL REVERSE GENDER WITH ADAPTER RING	WIRE SIZE 14.16 .18, 20 AWG	1
2	0460-202-16141	DEUTSCH	COMMON CONTACT PIN	NICKEL-PLATED SIZE 16, 16-20 AWG, 13A MAX CURRENT, 19202412	18
3	114017	DEUTSCH	SEALING PLUG	CONTACT SIZE 12.16 FOR DT, HD, DR, & AE SERIES, 19201283	13
4	2420-004-2405	DEUTSCH	HDP20 SIZE 24 BACKSHELL 90 DEG	90 DEG BACKSHELL, 19211497	1
5	DT06-2S-C015	DEUTSCH	DT PLUG	GRAY, PLASTIC, USES SIZE 16 SOCKETS, V25 WEDGELOCK, REDUCED SEAL SIZE, 19203776	10
6	V25	DEUTSCH	WEDGELOCK	FOR DT06-2S PLUG, NORMAL SEAL RETENTION, 19205195	10
7	0462-201-16141	DEUTSCH	COMMON CONTACT SOCKET	NICKEL-PLATED SIZE 16, 16-20 AWG, 13A MAX CURRENT, 19200028	23
8	1011-227-0205	DEUTSCH	DT06-2S BACKSHELL	180 DEG BACKSHELL, 6, 7.5, 8.5, AND 10 MM TUBING	2
9	1011-344-0205	DEUTSCH	DT THERMOPLASTIC BUST CAP FOR DT06-2S	BLACK, THERMOPLASTIC	7
10	DT06-3S-C015	DEUTSCH	DEUTSCH DT PLUG 3 PDS REDUCED SEAL	GRAY, PLASTIC, USES SIZE 16 SOCKETS, V35 WEDGELOCK REDUCED SEAL SIZE, 19203783	1
11	V35	DEUTSCH	WEDGELOCK	FOR DT06-3S PLUG, NORMAL SEAL RETENTION, 19205201	1
12	1011-259-0305	DEUTSCH	DT06-3S BACKSHELL	180 DEG BACKSHELL W/ CABLE STRAIN RELIEF, 6, 7.5, 8.5, AND 10 MM TUBING	1
13	1011-345-0305	DEUTSCH	DT THERMOPLASTIC BUST CAP FOR DT06-3S	BLACK, THERMOPLASTIC	1

- GENERAL HARNESS CONSTRUCTION:

 - LABEL WIRES EVERY 4" USING HOT STAMP OR INKJET MARKING WITH WIRE NUMBER AS INDICATED
 - TEST PER GS TEST PROCEDURE SPECIFIED IN THE AUDIT CHECKLIST
 - HARNESS TO FOLLOW GENERAL PRACTICES OF IPC/WHMA-A-620B
 - 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

CABLE LIST					
CBL	LOC	MFG	CAT	DESC1	DESC2
CBL26351	20088764	BELDEN	8770		

- 114017 1 (4-1-39) P27012:2 (CAVITY PLUG)

114017 2 (4-1-14) SP27021:1 (CAVITY PLUG)

114017 3 (4-1-55) P27031:2 (CAVITY PLUG)

114017 4 (4-1-40) P27041:2 (CAVITY PLUG)

114017 5 (4-1-15) SP27051:1 (CAVITY PLUG)

114017 6 (4-1-56) P27061:2 (CAVITY PLUG)

0460-202-16141 7 (4-1-41) P27071:2 (BU-WH_18_TXL)

0460-202-16141 8 (4-1-16) SP27081:1 (BU_18_TXL)

0460-202-16141 9 (4-1-57) P27091:2 (BU-BK_18_TXL)

0460-202-16141 10 (4-1-42) P27101:2 (BU-WH_18_TXL)

0460-202-16141 11 (4-1-30) SP27111:1 (BU_18_TXL)

0460-202-16141 12 (4-1-58) P27121:2 (BU-BK_18_TXL)

0460-202-16141 13 (4-1-43) P27131:2 (BU-WH_18_TXL)

0460-202-16141 14 (4-1-31) SP27141:1 (BU_18_TXL)

0460-202-16141 15 (4-1-59) P27151:2 (BU-BK_18_TXL)

0460-202-16141 16 (4-1-44) P27161:2 (BU-WH_18_TXL)

0460-202-16141 17 (4-1-32) SP27171:1 (BU_18_TXL)

0460-202-16141 18 (4-1-60) P27181:2 (BU-BK_18_TXL)

0460-202-16141 19 (4-1-45) P27221:1 (BU_18_TXL)

114017 20 () (CAVITY PLUG)

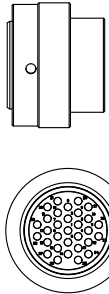
0460-202-16141 21 (COM) SP27261:1 (BK_18_TXL)

0460-202-16141 22 (4-1-47) P27281:1 (BU_18_TXL)

0460-202-16141 23 (4-1-7) P27301:A (RD_18_CABLE) CBL27301-RD

0460-202-16141 24 (4-1-23) P27301:B (BK_18_CABLE) CBL27301-BK

0460-202-16141 25 (4-1-8) P27301:C (WH_18_CABLE) CBL27301-WH



P27011
REAR TOOLBOX
VALVE CONNECTOR
HDP26-24-31PE-L017

A

A

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

WIRE ANNOTATION LEGEND:
(1021) P7001:2 (BK-18) CBL1025
(WIRE NO.), DESTINATION:TERMINAL (WIRE COLOR-GAUGE) CABLE NO. -TWISTED PAIR IF APPLICABLE

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

4

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1

RELEASED

12-20-2022

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

WIRE LENGTH TOLERANCES
SPEC = IPC/WHMA-A-620B

< 1ft	+1in -0in
> 1ft-5ft	+2in -0in
> 5ft-10ft	+4in -0in
> 10ft-25ft	+6in -0in
> 25ft	+5% -0%

FRACTIONS ± 1/16in ± 1.59mm
TOLERANCES ON DECIMALS:

1 PLACE	2 PLACE	3 PLACE
in ± .030	± .010	± .005
mm ± .76	± .25	± .13

ANGULAR DIMENSIONS ± 1 DEG
DIMENSIONS IN () ARE REFERENCE
REMOVE BURRS
BREAK EDGES 0.01in 0.25MM MAX
MAX SURFACE ROUGHNESS 125✓

ORIGINATED BY:
ESCHWARZKOPF

ORIGINATION DATE:
11-23-2022

PROJECT ENGINEER:
BDELAAT

ACCOUNT MANAGER:
MKAJA

MATERIAL:
N/A

COATING/PLATING:
NONE

CUSTOMER PART NUMBER:
03029362

ALL TECHNICAL DATA ON THIS DRAWING IS
THE PROPERTY OF GS GLOBAL RESOURCES INC.
AND SHALL NOT BE USED BY OTHERS FOR
MANUFACTURE, PROCUREMENT, OR
DISCLOSURE WITHOUT THE WRITTEN
PERMISSION OF:
GS GLOBAL RESOURCES INC.

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ESCHWARZKOPF

ORIGINATION DATE:
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BDELAAT

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MATERIAL:
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GS GLOBAL RESOURCES INC.

DRAWING TITLE:
**ROTATOR
DRAG VALVE HARNESS
ASSEMBLY DRAWING**

SHT SIZE
B

DRAWING NUMBER
20088764

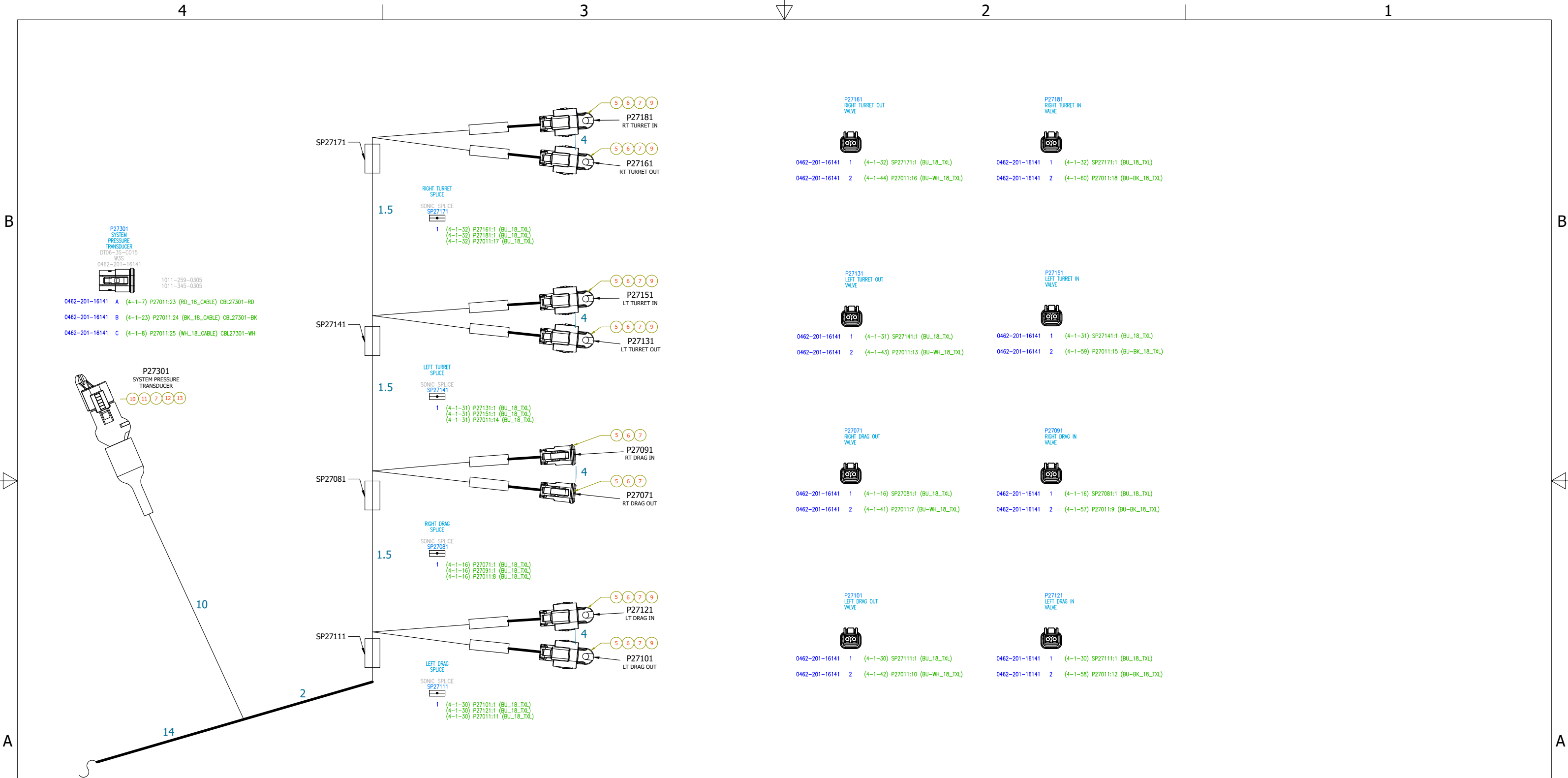
REV
A

DRAWING REFERENCE:
20077963

PLOT SCALE:
NONE

SHEET INFO:
1 OF 2

TITLE BLOCK REVISION DATE: 5-5-2021



FROM SHEET 1

WIRE ANNOTATION LEGEND:

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

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

P27161 RIGHT TURRET OUT VALVE	0462-201-16141 1 (4-1-32) SP27171:1 (BU_18_TXL)	P27181 RIGHT TURRET IN VALVE	0462-201-16141 1 (4-1-32) SP27171:1 (BU_18_TXL)
	0462-201-16141 2 (4-1-44) P27011:16 (BU-WH_18_TXL)		0462-201-16141 2 (4-1-60) P27011:18 (BU-BK_18_TXL)
P27131 LEFT TURRET OUT VALVE	0462-201-16141 1 (4-1-31) SP27141:1 (BU_18_TXL)	P27151 LEFT TURRET IN VALVE	0462-201-16141 1 (4-1-31) SP27141:1 (BU_18_TXL)
	0462-201-16141 2 (4-1-43) P27011:13 (BU-WH_18_TXL)		0462-201-16141 2 (4-1-59) P27011:15 (BU-BK_18_TXL)
P27071 RIGHT DRAG OUT VALVE	0462-201-16141 1 (4-1-16) SP27081:1 (BU_18_TXL)	P27091 RIGHT DRAG IN VALVE	0462-201-16141 1 (4-1-16) SP27081:1 (BU_18_TXL)
	0462-201-16141 2 (4-1-41) P27011:7 (BU-WH_18_TXL)		0462-201-16141 2 (4-1-57) P27011:9 (BU-BK_18_TXL)
P27101 LEFT DRAG OUT VALVE	0462-201-16141 1 (4-1-30) SP27111:1 (BU_18_TXL)	P27121 LEFT DRAG IN VALVE	0462-201-16141 1 (4-1-30) SP27111:1 (BU_18_TXL)
	0462-201-16141 2 (4-1-42) P27011:10 (BU-WH_18_TXL)		0462-201-16141 2 (4-1-58) P27011:12 (BU-BK_18_TXL)

RELEASED12-20-2022

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINATED BY: ESCHWARZKOPF	
WIRE LENGTH TOLERANCES SPEC = IPC/WHMA-A-620B		ORIGINATION DATE: 11-23-2022	
THIRD ANGLE PROJECTION		PROJECT ENGINEER: BDELAAT	
FRACTIONS ± 1/16in ± 1.59mm		ACCOUNT MANAGER: MKAJA	
TOLERANCES ON DECIMALS:		MATERIAL: N/A	
1 PLACE	2 PLACE	COATING/PLATING: NONE	
in ± .030	± .010	CUSTOMER PART NUMBER: 03029362	
mm ± .76	± .25	ALL TECHNICAL DATA ON THIS DRAWING IS THE PROPERTY OF GS GLOBAL RESOURCES INC. AND SHALL NOT BE USED BY OTHERS FOR MANUFACTURE, PROCUREMENT, OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF: GS GLOBAL RESOURCES INC.	
- ANGULAR DIMENSIONS ± 1 DEG		SHT SIZE B	
- REMOVE BURRS		DRAWING NUMBER 20088764	
- BREAK EDGES 0.01IN 0.25MM MAX		REV A	
- MAX SURFACE ROUGHNESS 125✓		DRAWING REFERENCE: 20077963	
		PLOT SCALE: NONE	
		SHEET INFO: 2 OF 2	

TITLE BLOCK REVISION DATE: 5-5-2021